

To: Mark Drajem[mdrajem@bloomberg.net]
From: Jones, Enesta
Sent: Tue 8/18/2015 3:59:50 PM
Subject: Re: EPA Proposes New Commonsense Measures to Cut Methane Emissions from the Oil and Gas Sector

Checking Mark.

Enesta Jones
U.S. EPA, Office of Media Relations
Desk: 202.564.7873
Cell: 202.236.2426

On Aug 18, 2015, at 11:54 AM, Mark Drajem (BLOOMBERG/ NEWSROOM:) <mdrajem@bloomberg.net> wrote:

Hi, did you guys do a regulatory impact analysis?

----- Original Message -----

From: noreply-subscriptions@epa.gov
To: MARK DRAJEM (BLOOMBERG/ NEWSROOM:)
At: Aug 18 2015 11:26:03

CONTACT:
Enesta Jones
Jones.enesta@epa.gov
202-564-7873
202-564-4355

FOR IMMEDIATE RELEASE
August 18, 2015

EPA Proposes New Commonsense Measures to Cut Methane Emissions from the Oil and Gas Sector

Proposal Cuts GHG Emissions, Reduces Smog-Forming Air Pollution and Provides Certainty for Industry

WASHINGTON – Continuing the Obama Administration’s commitment to take action on climate change and protect public health, the U.S. Environmental Protection Agency (EPA) is announcing commonsense proposed standards today that would reduce emissions of greenhouse gases (GHG) and volatile organic compounds (VOC) from the oil and natural gas industry. The proposal is a part of the Administration’s strategy under President Obama’s Climate Action Plan to cut methane emissions from the oil and gas sector by 40 to 45 percent from 2012 levels by 2025.

Methane, the key constituent of natural gas, is a potent GHG with a global warming potential more than 25 times greater than that of carbon dioxide. Methane is the second most prevalent greenhouse gas emitted in the United States from human activities, and nearly 30 percent of those emissions come from oil production and the production, transmission and distribution of natural gas.

“The cost-effective standards we are proposing underscore our commitment to reducing the pollution fueling climate change and protecting public health while ensuring responsible energy development, transparency and accountability,” said EPA Administrator Gina McCarthy. “Developing low-carbon energy with renewables and natural gas is key to complying with our Clean Power Plan, so with this proposal we encourage continued growth of robust clean energy economy and a diverse U.S. energy mix.”

The proposed standards for new and modified sources are expected to reduce 340,000 to 400,000 short tons of methane in 2025, the equivalent of reducing 7.7 to 9 million metric tons of carbon dioxide. EPA estimates the rule will yield net climate benefits of \$120 to \$150 million in 2025. Those standards are also expected to reduce 170,000 to 180,000 tons of ozone-forming VOCs in 2025, along with 1,900 to 2,500 tons of air toxics, such as benzene, toluene, ethylbenzene and xylene. Ozone is linked to a variety of serious public health effects, including reduced lung function, asthma attacks, asthma development, emergency room visits and hospital admissions, and early death from respiratory and cardiovascular causes. Air toxics include chemicals that are known or suspected to cause cancer and other serious health effects.

The proposed standards will complement voluntary efforts, including EPA’s Methane Challenge Program, and are based on practices and technology currently used by industry. To cut methane and VOC emissions, the proposal requires:

- Finding and repairing leaks;
- Capturing natural gas from the completion of hydraulically fractured oil wells;
- Limiting emissions from new and modified pneumatic pumps; and
- Limiting emissions from several types of equipment used at natural gas transmission compressor stations, including compressors and pneumatic controllers.

EPA’s Methane Challenge Program that was proposed earlier this year expands on the successful Natural Gas STAR program, which serves as a platform for companies who want to make an ambitious and transparent commitments to address methane emissions. This flexible program has the potential to foster significant cost-effective emission reductions across the oil and gas sector and to provide transparency on the progress partner companies are making to reduce emissions.

As part of the proposal announced today, the agency is updating the 2012 New Source Performance Standards (NSPS) to address methane as well as VOC emissions for sources covered in that rule. EPA’s proposal would also require that industry reduce VOC and methane emissions from hydraulically fractured and refractured oil wells, which can contain

significant amounts of natural gas along with oil. In addition, the proposal means methane and VOC reductions “downstream” from wells and production sites, covering equipment in the natural gas transmission segment of the industry that was not regulated in the agency’s 2012 oil and natural gas rules. Additionally, the agency proposes to clarify and streamline Clean Air Act permitting requirements in states and Indian country.

Today’s proposal includes proposed guidelines for states to reduce VOC emissions from existing oil and gas sources in certain ozone nonattainment areas as well as mid-Atlantic and Northeast states that are part of the Ozone Transport Region.

EPA will take comment on the proposals for 60 days after they are published in the Federal Register. The agency will hold public hearings and will announce details soon.

More information, including technical fact sheets, is available at <http://www.epa.gov/airquality/oilandgas/actions.html>

R218

If you would rather not receive future communications from Environmental Protection Agency, please go to <http://USEPA.pr-optout.com/OptOut.aspx?518041x25793x96329x1x2022283x24000x6&Email=mdrajem%40bloomberg.net>.
Environmental Protection Agency, 1200 Pennsylvania Avenue NW, Washington, DC
20460 United States

To: Isaac Arnsdorf[iarnsdorf@bloomberg.net]
Cc: Enesta Jones[Jones.Enesta@epa.gov]
From: Jones, Enesta
Sent: Tue 8/4/2015 6:19:28 PM
Subject: RE: Clean Power Plan questions

Hi Isaac,

Here are our responses, please attribute to US EPA:

Q: Page 637 of the final rule states that the trends for all types of electric generation "will remain generally consistent with what their trends would be in the absence of this rule." But Table 3-11 (page 3-27) in the Regulatory Impact Analysis shows significant percent changes for the generation mix under the plan compared with the "Base Case." How should I square these two indications, which seem to point in opposite directions?

RESPONSE: The transition to clean energy is happening without the CPP and it's happening faster than anticipated. This means carbon and air pollution are already decreasing, improving public health each and every year.

The Clean Power Plan accelerates this momentum, putting us on pace to cut this dangerous pollution to historically low levels in the future.

Q: To the extent that the plan does not alter the status quo, what is the purpose of the regulation?

RESPONSE: The Clean Power Plan establishes emission performance rates for fossil fuel-fired power plants that, when fully implemented, will achieve significant reductions in CO₂ emissions by 2030.

The final Clean Power Plan advances clean energy innovation, development and deployment and lays the foundation for the long-term strategy needed to tackle the threat of climate change.

The Clean Power Plan constitutes a major commitment from the U.S. – one of the world's largest GHG emitters – to reduce CO₂ emissions from power plants and is an essential step in lessening the impacts of climate change.

Q: Why did the EPA decide to delay implementation until 2022 (from 2020 in the draft)?

RESPONSE: The final Clean Power Plan incentivizes planning, investment and reductions to begin now, giving states and utilities the flexibility they need to build on the transition to clean energy already under way in the power sector.

Mandatory reductions in the final Clean Power Plan will begin in 2022 instead of 2020, which responds to concerns that the proposed 2020 start date was too soon and would raise concerns about electric system reliability, ratepayer bills, and stranded assets. Starting mandatory reductions in 2022 gives utilities time to get clean energy infrastructure in place.

Q: Why did the EPA drop energy efficiency as a "building block"?

RESPONSE: EPA received significant comment on building block 4. While many commenters emphasized the cost-effectiveness of demand-side energy efficiency measures, others expressed significant concerns.

Commenters urged the EPA to confine its BSER determination to actions that involve what they characterized as more “traditional” generation. While some stakeholders recognized demand-side EE as being an integral part of the electricity system, with many of the characteristics of more traditional generating resources, other stakeholders did not.

After considering the significant public comment on this issue, the final BSER analysis does not include demand-side energy efficiency as a building block. The CPP’s flexible compliance options do provide a range of choices for states to fully develop demand-side energy efficiency as a means to meet their state goals. In fact, EPA anticipates that, due to its low costs and having potential in every state, demand side energy efficiency will be a significant component of state compliance plans.

Q: Why did the EPA increase projections for generation from non-hydro renewables?

RESPONSE: The methodology for quantifying RE target generation levels under building block 3 was modified from proposal, with adjustments that reflect the data and information the EPA collected through stakeholder comments.

The final methodology for quantifying incremental RE target generation levels relies on an historic assessment of deployment patterns, along with feasibility analysis and modeling, to produce regional technology-specific estimates.

The analysis relies upon information from the National Renewable Energy Laboratory (DOE), which incorporates recent data and information on new RE cost and performance.

Q: Why did the EPA decrease projections for generation from natural gas?

RESPONSE: Given the flexibilities individual states have to choose how to comply with the emission guidelines, the benefits, cost and economic impacts reported in EPA's Regulatory Impact Assessment (RIA) are illustrative of compliance actions states may take. As with all RIAs, actual compliance may differ from the illustrative approaches that EPA lays out. This is because states will ultimately determine how to comply with the goals established in these guidelines. Nothing about the analysis is binding.

Q: How did recent improvements in scientific understanding of methane emissions from natural gas systems contribute to the EPA's revisions to the projections for natural gas generation?

RESPONSE: The Clean Power Plan, combined with other domestic actions such as promotion of renewable energy, energy efficiency standards, increasing fuel economy standards, curbing emissions of hydrofluorocarbons, and reducing methane emissions, demonstrate US leadership and helps to build momentum towards a new global agreement in 2015 that will include significant contributions from all major economies.

In January 2015, as part of the Obama Administration's commitment to addressing climate change, EPA outlined a series of steps it plans to take to address methane and smog-forming VOC emissions from the oil and gas industry in order to ensure continued safe and responsible growth in U.S. oil and natural gas production. The agency's

commonsense strategy will avoid methane and smog-forming pollution from new sources in this rapidly growing industry, reduce ozone forming pollution from existing sources in areas that do not meet federal smog standards, and build on work that states and industry are doing to address emissions from existing sources elsewhere. EPA anticipates issuing proposed rules this summer. In addition, on July 23, EPA proposed the voluntary Natural Gas STAR Methane Challenge Program, which will provide a new mechanism through which oil and gas companies can make and track ambitious commitments to reduce methane emissions.

Q: What role did industry lobbying and stakeholder meetings play in these decisions? Did industry pressure result in concessions such as delaying implementation and dropping energy efficiency?

RESPONSE: This final rule is the product of one of the most extensive and long-running public engagement processes the EPA has ever conducted, starting in the summer of 2013 and carefully considered over the past several months.

EPA received more than 4 million comments from a range of commenters, including states and local governments, utilities, environmental groups, and the general public. We received comment on a range of crucial issues, from the effect these rules might have on reliability to the right levels of stringency and the glide path that will get us there.

The combined effect of being responsive to all these comments has resulted in a final rule that differs in significant ways from the proposal, while at the same time achieving the overarching goal of significantly reducing carbon pollution.

From: Isaac Arnsdorf (BLOOMBERG/ NEWSROOM:) [mailto:iarnsdorf@bloomberg.net]
Sent: Tuesday, August 04, 2015 10:36 AM
To: Jones, Enesta
Subject: Clean Power Plan questions

Hi Enesta,

Nice speaking with you just now. My article focuses on the impact of lobbying during the rule-making process over the past year. Here are my questions:

- Page 637 of the final rule states that the trends for all types of electric generation "will remain generally consistent with what their trends would be in the absence of this rule." But Table 3-11 (page 3-27) in the Regulatory Impact Analysis shows significant percent changes for the generation mix under the plan compared with the "Base Case." How should I square these two indications, which seem to point in opposite directions?
- To the extent that the plan does not alter the status quo, what is the purpose of the regulation?
- Why did the EPA decide to delay implementation until 2022 (from 2020 in the draft)?
- Why did the EPA drop energy efficiency as a "building block"?
- Why did the EPA increase projections for generation from non-hydro renewables?
- Why did the EPA decrease projections for generation from natural gas?
- How did recent improvements in scientific understanding of methane emissions from natural gas systems contribute to the EPA's revisions to the projections for natural gas generation?
- What role did industry lobbying and stakeholder meetings play in these decisions? Did industry pressure result in concessions such as delaying implementation and dropping energy efficiency?

My deadline is 5pm today. I really appreciate your help.

Thanks again,

Isaac

Isaac Arnsdorf
Bloomberg News
731 Lexington Ave

New York, NY 10022
+1-212-617-3772
iamnsdorf@bloomberg.net

To: Nick Snow[NickS@PennWell.com]
Cc: Harrison, Melissa[Harrison.Melissa@epa.gov];
News_OGJonline[ogjonline@pennwell.com]; Lee, Monica[Lee.Monica@epa.gov]; Jones,
Enesta[Jones.Enesta@epa.gov]
From: Jones, Enesta
Sent: Thur 7/23/2015 11:39:18 PM
Subject: Re: Natural Gas STAR Methane Challenge Program

Nick,
Monica Lee will be in touch.

Enesta Jones
U.S. EPA, Office of Media Relations
Desk: 202.564.7873
Cell: 202.236.2426

On Jul 23, 2015, at 7:38 PM, Nick Snow <NickS@PennWell.com> wrote:

Three environmental organizations sent me e-mails late this afternoon saying it won't do the job. The American Petroleum Institute sent me one saying it will work with EPA to improve the agency's new voluntary program on methane emissions.

Now, all I'm missing is a press release telling me what it is. Did you issue one? I would appreciate receiving it as soon as possible, since my readers who explore and producer, transport, store, and process natural gas are very interested in EPA's methane emissions plans and would appreciate my writing a story Friday morning based on actual information supplied by the agency. For starters, is it final or simply a proposal at this stage? Thanks!

Nick Snow

Washington Editor

Oil & Gas Journal

nicks@pennwell.com

To: Phillip Assmus[passmus@4cleanair.org]
Cc: Moore, Bruce[Moore.Bruce@epa.gov]
From: Waltzer, Suzanne
Sent: Tue 4/12/2016 6:21:47 PM
Subject: RE: Pamela - are you available to participate on a NACAA Global Warming Ctte call next Wed?

Hi Phil,

Yes that is fine. We are finalizing the slides now and either Bruce or I will send them to you by COB today.

Thanks,

Suzie

From: Phillip Assmus [mailto:passmus@4cleanair.org]
Sent: Friday, April 08, 2016 12:03 PM
To: Waltzer, Suzanne <Waltzer.Suzanne@epa.gov>
Cc: Moore, Bruce <Moore.Bruce@epa.gov>
Subject: Re: Pamela - are you available to participate on a NACAA Global Warming Ctte call next Wed?

Suzie,

Slides early next week are fine. Could I have them by COB Tuesday at the latest? I would like to give our members a bit of lead time to review them.

Your presentation plan sounds great. Thanks again for agreeing to do this.

Phil

From: "Waltzer, Suzanne" <Waltzer.Suzanne@epa.gov>

Date: Friday, April 8, 2016 at 9:57 AM

To: Phil Assmus <PAssmus@4cleanair.org>

Cc: "Moore, Bruce" <Moore.Bruce@epa.gov>

Subject: RE: Pamela - are you available to participate on a NACAA Global Warming Ctte call next Wed?

Hi Phil,

Yes, we will have a few slides. Is it ok if we send those to you early next week?

For the presentation, Bruce will walk through the regulatory activities first and then I will discuss voluntary programs (i.e., the Natural Gas STAR Methane Challenge Program).

Please let us know if you have further questions.

Thanks,

Suzie

From: Phillip Assmus [mailto:passmus@4cleanair.org]

Sent: Wednesday, April 06, 2016 4:38 PM

To: Waltzer, Suzanne <Waltzer.Suzanne@epa.gov>

Cc: Moore, Bruce <Moore.Bruce@epa.gov>

Subject: Re: Pamela - are you available to participate on a NACAA Global Warming Ctte call next Wed?

Suzie,

Great, I'll keep you first on the schedule and would be happy to add Bruce. Do you plan to use slides?

Thanks,

Phil

From: "Waltzer, Suzanne" <Waltzer.Suzanne@epa.gov>

Date: Wednesday, April 6, 2016 at 11:45 AM

To: Phil Assmus <PAssmus@4cleanair.org>

Cc: "Moore, Bruce" <Moore.Bruce@epa.gov>

Subject: RE: Pamela - are you available to participate on a NACAA Global Warming Ctte call next Wed?

Hi Phil,

2 pm next Wed, April 13th works for me. Could you please also include my colleague Bruce Moore (with the Office of Air Quality Planning and Standards) on the invitation? Bruce (or someone from his team) may join to discuss regulatory activities.

I would prefer to present at the beginning, if possible, as I need to leave the office by 2:30 on Wed. The title and presentation topics look good.

Please let me know if you need further information.

Thank you!

Suzie

Team Leader, Non-CO2 Programs
Climate Change Division
US Environmental Protection Agency
1200 Pennsylvania Avenue, NW
MC 6207A
Washington, DC 20460

202-343-9544

Waltzer.suzanne@epa.gov

From: Phillip Assmus [<mailto:passmus@4cleanair.org>]
Sent: Wednesday, April 06, 2016 10:44 AM
To: Waltzer, Suzanne <Waltzer.Suzanne@epa.gov>
Subject: Re: Pamela - are you available to participate on a NACAA Global Warming Ctte call next Wed?

Suzie,

Thanks for agreeing to present on next week's NACAA Global Warming Committee call. I'd like to circulate the agenda before the end of the day and would grateful if you could confirm with me before then.

The call will take place from 2:00-3:30 pm Eastern on Wednesday 4/13. Right now I've got you first on the agenda, but that is a little flexible if you'd like to start later than that. The presentation can be relatively short – 10 or maybe 15 minutes – with some additional time for questions. I'd like it provide an overview of EPA's ongoing methane reduction efforts (e.g., the non-final NSPS, the future ESPS and assorted voluntary programs like Natural Gas STAR Methane Challenge). Slides are at your option but, if you would like to use them, please get them to me no later than COB on 4/12. Our practice is to pdf and circulate them as a downloadable link for people to follow along.

Please let me know if you have any questions. I've labeled your presentation "Update on EPA Methane Activities" but can change the title if you prefer something else.

Thanks!

Phil

From: "Franklin, Pamela" <Franklin.Pamela@epa.gov>

Date: Wednesday, April 6, 2016 at 8:52 AM

To: Phil Assmus <PAssmus@4cleanair.org>

Cc: "Waltzer, Suzanne" <Waltzer.Suzanne@epa.gov>, Julie Rosenberg
<rosenberg.julie@epa.gov>

Subject: RE: Pamela - are you available to participate on a NACAA Global Warming Ctte call next Wed?

Dear Phil,

Suzie Waltzer on my team will be able to participate in this call, and you can touch base with her directly regarding timing.

Best regards,

Pamela

Pamela M. Franklin, PhD

Branch Chief, Non-CO2 Programs

Climate Change Division

US Environmental Protection Agency

(202) 343-9476

franklin.pamela@epa.gov

To: Phillip Assmus[passmus@4cleanair.org]
Cc: Moore, Bruce[Moore.Bruce@epa.gov]
From: Waltzer, Suzanne
Sent: Fri 4/8/2016 1:57:14 PM
Subject: RE: Pamela - are you available to participate on a NACAA Global Warming Ctte call next Wed?

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Cc: Moore, Bruce <Moore.Bruce@epa.gov>
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Team Leader, Non-CO2 Programs

Climate Change Division

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202-343-9544

Waltzer.suzanne@epa.gov

From: Phillip Assmus [<mailto:passmus@4cleanair.org>]

Sent: Wednesday, April 06, 2016 10:44 AM

To: Waltzer, Suzanne <Waltzer.Suzanne@epa.gov>

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Date: Wednesday, April 6, 2016 at 8:52 AM

To: Phil Assmus <PAssmus@4cleanair.org>

Cc: "Waltzer, Suzanne" <Waltzer.Suzanne@epa.gov>, Julie Rosenberg
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To: Phillip Assmus[passmus@4cleanair.org]
Cc: Moore, Bruce[Moore.Bruce@epa.gov]
From: Waltzer, Suzanne
Sent: Wed 4/6/2016 3:45:51 PM
Subject: RE: Pamela - are you available to participate on a NACAA Global Warming Ctte call next Wed?

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Washington, DC 20460

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Waltzer.suzanne@epa.gov

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Branch Chief, Non-CO2 Programs

Climate Change Division

US Environmental Protection Agency

(202) 343-9476

franklin.pamela@epa.gov

To: Fiji George[Fiji_George@SWN.COM]
Cc: Moore, Bruce[Moore.Bruce@epa.gov]; Richard Hyde[rhyde@agresources.com]; Tsirigotis, Peter[Tsirigotis.Peter@epa.gov]; Edwin.Mongan@bhpbilliton.com[Edwin.Mongan@bhpbilliton.com]; Jim Kibler[jkibler@agresources.com]; Ischaaff@hess.com[Ischaaff@hess.com]
From: Goehl, Eric
Sent: Wed 4/6/2016 1:58:29 PM
Subject: RE: Webinar - Information Collection Request

Yes George, please join the webinar.

From: Fiji George [mailto:Fiji_George@SWN.COM]
Sent: Wednesday, April 06, 2016 9:49 AM
To: Goehl, Eric <Goehl.Eric@epa.gov>
Cc: Moore, Bruce <Moore.Bruce@epa.gov>; Richard Hyde <rhyde@agresources.com>; Tsirigotis, Peter <Tsirigotis.Peter@epa.gov>; Edwin.Mongan@bhpbilliton.com; Jim Kibler <jkibler@agresources.com>; Ischaaff@hess.com
Subject: Webinar - Information Collection Request

Eric,

As you may have heard, the ONE Future Coalition is a group of oil and gas companies across the natural gas value chain that aspires to continuously improve the energy delivery efficiency of the natural gas supply chain to less than one percent of gross production employing flexible, performance-based programs. The ONE Future design will be part of the Methane Challenge program.

We understand that there will be webinar tomorrow related to the ICR process and many of us have received the information from our respective trade associations. Please advise if the ONE Future companies can also join in the webinar.

Thank you,

Fiji George
Director, Strategic Solutions

Tel: 832-796-2891
Mobile: (b)(6) personal privacy

Email: fiji.george@swn.com

Notice: This e-mail may contain privileged and/or confidential information and is intended only for the addressee. If you are not the addressee or the person responsible for delivering it to the addressee, you may not copy or distribute this communication to anyone else. If you received this communication in error, please notify us immediately by telephone or return e-mail and promptly delete the original message from your system.

To: liu@fien.com[liu@fien.com]; JLC@fien.com[JLC@fien.com]
Cc: Moore, Bruce[Moore.Bruce@epa.gov]; Vetter, Cheryl[Vetter.Cheryl@epa.gov]
From: FIEN, LLC - Jimmy Liu
Sent: Tue 8/18/2015 7:43:02 PM
Subject: Update - Efforts to Reduce Methane Emissions in the U.S Oil and Gas Sector - EPA has issued Proposed Rules to amend the new source performance standards for the oil and natural gas source category by setting standards for both methane and volatile ...

Update - Efforts to Reduce Methane Emissions in the U.S Oil and Gas Sector - EPA has issued Proposed Rules to "... amend the new source performance standards (NSPS) for the oil and natural gas source category by setting standards for both methane and volatile organic compounds (VOC) for certain equipment, processes and activities across this source category ..." - The proposal requires: "... Finding and repairing leaks; Capturing natural gas from the completion of hydraulically fractured oil wells; Limiting emissions from new and modified pneumatic pumps; and Limiting emissions from several types of equipment used at natural gas transmission compressor stations, including compressors and pneumatic controllers ..." - The proposal would also require that "... industry reduce VOC and methane emissions from hydraulically fractured and refractured oil wells ... In addition, the proposal means methane and VOC reductions 'downstream' from wells and production sites, covering equipment in the natural gas transmission segment of the industry that was not regulated in the agency's 2012 oil and natural gas rules. Additionally, the agency proposes to clarify and streamline Clean Air Act permitting requirements in states and Indian country ..."

Document Title: * The titles of the August 18, 2015 EPA pre-publication Federal Register Proposed Rules are:

- "Oil and Natural Gas Sector: Emission Standards for New and Modified Sources"
- "Source Determination for Certain Emission Units in the Oil and Natural Gas Sector"
- * The title of the August 18, 2015 EPA News Release is "EPA Proposes New Commonsense Measures to Cut Methane Emissions from the Oil and Gas Sector/Proposal Cuts GHG Emissions, Reduces Smog-Forming Air Pollution and Provides Certainty for Industry"
- * The title of the March 28, 2014 White House News Release is "Fact Sheet: Climate Action Plan - Strategy to Cut Methane Emissions"
- * The title of the June 25, 2013 White House News Release is "Fact Sheet: President Obama's Climate Action Plan; President Obama's Plan to Cut Carbon Pollution; Taking Action for Our Kids"

Organization: * The August 18, 2015 pre-publication Federal Register Proposed Rules were signed on August 18, 2015 by Gina McCarthy who is the EPA Administrator
* Office of the White House Press Secretary

Source: * August 18, 2015 EPA pre-publication Federal Register Proposed Rules
* August 18, 2015 EPA News Release
* March 28, 2014 and June 25, 2013 White House News Releases

Comments Due By: Within 60 days after date of publication in the Federal Register

Web site: The August 18, 2015 EPA pre-publication Federal Register Proposed Rules are posted at

* http://www.epa.gov/airquality/oilandgas/pdfs/og_nsps_pr_081815.pdf

* http://www.epa.gov/airquality/oilandgas/pdfs/sd_prop_081815.pdf

** When published in the Federal Register, the Proposed Rules will be made available at

<http://www.gpo.gov/fdsys/browse/collection.action?collectionCode=FR>

The August 18, 2015 EPA News Release is posted at

<http://yosemite.epa.gov/opa/admpress.nsf/bd4379a92ceceeac8525735900400c27/e5f2425e2e668a2b>

Additional information about EPA's proposed measures to cut methane and VOC emissions from the oil and natural gas industry and clarify permitting requirements is available at

<http://www.epa.gov/airquality/oilandgas/actions.html>

The March 28, 2014 White House News Release is posted at

<http://www.whitehouse.gov/the-press-office/2014/03/28/fact-sheet-climate-action-plan-strategy-cut-methane-emissions>

The June 25, 2013 White House News Release is posted at

<http://www.whitehouse.gov/the-press-office/2013/06/25/fact-sheet-president-obama-s-climate-action-plan>

The "President's Climate Action Plan" is posted at

<http://www.whitehouse.gov/sites/default/files/image/president27sclimateactionplan.pdf>

The previous FIEN message related to this topic is posted at

<http://www.fien.com/articleDisplay.php?id=32242>

Contact: * Questions about EPA's Oil and Natural Gas Sector regulatory program may be directed to Bruce Moore who is with the Sector Policies and Programs Division of the EPA Office of Air Quality Planning and Standards in Research Triangle Park, North Carolina at 919 541 5460; fax: 919 541 3470; e-mail: Moore.Bruce@EPA.gov

* Questions about Source Determination for Certain Emission Units in the Oil and Natural Gas Sector may be directed to Cheryl Vetter who is with the EPA Office of Air Quality Planning and Standards in Research Triangle Park, North Carolina at 919 541 4391; e-mail: Vetter.Cheryl@EPA.gov

Summary: The text of the August 18, 2015 EPA News Release follows:

WASHINGTON – Continuing the Obama Administration's commitment to take action on climate change and protect public health, the U.S. Environmental Protection Agency (EPA) is announcing commonsense proposed standards today that would reduce

emissions of greenhouse gases (GHG) and volatile organic compounds (VOC) from the oil and natural gas industry. The proposal is a part of the Administration's strategy under President Obama's Climate Action Plan (http://www.whitehouse.gov/sites/default/files/strategy_to_reduce_methane_emissions_2014-03-28_final.pdf) to cut methane emissions from the oil and gas sector by 40 to 45 percent from 2012 levels by 2025.

Methane, the key constituent of natural gas, is a potent GHG with a global warming potential more than 25 times greater than that of carbon dioxide. Methane is the second most prevalent greenhouse gas emitted in the United States from human activities, and nearly 30 percent of those emissions come from oil production and the production, transmission and distribution of natural gas.

"Today, through our cost-effective proposed standards, we are underscoring our commitment to reducing the pollution fueling climate change and protecting public health while supporting responsible energy development, transparency and accountability," said EPA Administrator Gina McCarthy. "Cleaner-burning energy sources like natural gas are key compliance options for our Clean Power Plan and we are committed to ensuring safe and responsible production that supports a robust clean energy economy."

The proposed standards for new and modified sources are expected to reduce 340,000 to 400,000 short tons of methane in 2025, the equivalent of reducing 7.7 to 9 million metric tons of carbon dioxide. EPA estimates the rule will yield net climate benefits of \$120 to \$150 million in 2025. Those standards are also expected to reduce 170,000 to 180,000 tons of ozone-forming VOCs in 2025, along with 1,900 to 2,500 tons of air toxics, such as benzene, toluene, ethylbenzene and xylene. Ozone is linked to a variety of serious public health effects, including reduced lung function, asthma attacks, asthma development, emergency room visits and hospital admissions, and early death from respiratory and cardiovascular causes. Air toxics include chemicals that are known or suspected to cause cancer and other serious health effects.

The proposed standards will complement voluntary efforts, including EPA's Methane Challenge Program (<http://www.epa.gov/gasstar/methanechallenge/>), and are based on practices and technology currently used by industry. To cut methane and VOC emissions, the proposal requires:

- * Finding and repairing leaks;
- * Capturing natural gas from the completion of hydraulically fractured oil wells;
- * Limiting emissions from new and modified pneumatic pumps; and
- * Limiting emissions from several types of equipment used at natural gas transmission compressor stations, including compressors and pneumatic controllers.

EPA's Methane Challenge Program that was proposed earlier this year expands on the successful Natural Gas STAR program (<http://www.epa.gov/gasstar/methanechallenge/>), which serves as a platform for companies who want to make an ambitious and transparent commitments to address methane emissions. This flexible program has the potential to foster significant cost-

effective emission reductions across the oil and gas sector and to provide transparency on the progress partner companies are making to reduce emissions.

As part of the proposal announced today, the agency is updating the 2012 New Source Performance Standards (NSPS) to address methane as well as VOC emissions for sources covered in that rule. EPA's proposal would also require that industry reduce VOC and methane emissions from hydraulically fractured and refractured oil wells, which can contain significant amounts of natural gas along with oil. In addition, the proposal means methane and VOC reductions "downstream" from wells and production sites, covering equipment in the natural gas transmission segment of the industry that was not regulated in the agency's 2012 oil and natural gas rules. Additionally, the agency proposes to clarify and streamline Clean Air Act permitting requirements in states and Indian country.

Today's proposal includes proposed guidelines for states to reduce VOC emissions from existing oil and gas sources in certain ozone nonattainment areas as well as mid-Atlantic and Northeast states that are part of the Ozone Transport Region.

EPA will take comment on the proposals for 60 days after they are published in the Federal Register. The agency will hold public hearings and will announce details soon.

More information, including technical fact sheets, is available at <http://www.epa.gov/airquality/oilandgas/actions.html>

#####

This article (#34371) was distributed by e-mail on August 18, 2015 to those whose names are on the FIEN, LLC Subject Matter Distribution Lists for Alternative Crop Uses and Waste Utilization; Clean Air; Dairy; Energy Efficiency and Renewable Energy; Global Climate Change; Risk Assessment and Communication

-end-

The above information was sent to you by Jimmy Liu of the Food Industry Environmental Network, LLC --- <http://www.fien.com> --- mobile: 240 476 5958 --- e-mail: liu@fien.com

* Messages prefaced with [SFM] are FIEN Shortened Messages which are distinguished from FIEN Traditional Messages as described at <http://www.fien.com/SFM.php>

* The Searchable Index of Previously Distributed FIEN Messages is available at http://www.fien.com/login/logins.php?RELOAD=/search_article.php

* Please take the time to respond to our Feedback Survey at
<http://www.fien.com/survey.php>

To: Fiji George[Fiji_George@SWN.COM]
From: Moore, Bruce
Sent: Wed 4/6/2016 2:16:48 PM
Subject: RE: Webinar - Information Collection Request

Hi, Fiji,

I saw Eric's reply to you. I told him your first name was Fiji...

Hope everything is going well with you and with Doug and with SWN in general.

Bruce

Bruce Moore

Senior Technical Advisor - Oil & Natural Gas Sector

Office of Air and Radiation

Office of Air Quality Planning and Standards

U.S. Environmental Protection Agency

Research Triangle Park, NC 27711

(919) 541-5460

moore.bruce@epa.gov

For information, visit: www3.epa.gov/airquality/oilandgas

From: Fiji George [mailto:Fiji_George@SWN.COM]
Sent: Wednesday, April 06, 2016 9:49 AM
To: Goehl, Eric <Goehl.Eric@epa.gov>

Cc: Moore, Bruce <Moore.Bruce@epa.gov>; Richard Hyde <rhyde@aglresources.com>;
Tsirigotis, Peter <Tsirigotis.Peter@epa.gov>; Edwin.Mongan@bhpbilliton.com; Jim Kibler
<jkibler@aglresources.com>; Ischaaff@hess.com
Subject: Webinar - Information Collection Request

Eric,

As you may have heard, the ONE Future Coalition is a group of oil and gas companies across the natural gas value chain that aspires to continuously improve the energy delivery efficiency of the natural gas supply chain to less than one percent of gross production employing flexible, performance-based programs. The ONE Future design will be part of the Methane Challenge program.

We understand that there will be webinar tomorrow related to the ICR process and many of us have received the information from our respective trade associations. Please advise if the ONE Future companies can also join in the webinar.

Thank you,

Fiji George
Director, Strategic Solutions

Tel: 832-796-2891
Mobile: (b)(6) personal privacy
Email: fiji.george@swm.com

Notice: This e-mail may contain privileged and/or confidential information and is intended only for the addressee. If you are not the addressee or the person responsible for delivering it to the addressee, you may not copy or distribute this communication to anyone else. If you received this communication in error, please notify us immediately by telephone or return e-mail and promptly delete the original message from your system.

To: Ryan Steadley (b)(6) personal privacy
From: Moore, Bruce
Sent: Tue 4/5/2016 2:57:08 PM
Subject: Moore comments RE: STRONGER PADEP-BAQ Air Quality Review Draft Report f

Ryan,

Thanks so much for the extra time, which has been more than ample.

I completed my review yesterday and have only two comments:

1. I agree with the Program Recommendations as presented in the draft report.
2. I'm not sure if this is allowed, but in our **Recommendation 10.3.2.c**, page 20 of the draft, the review team recommends that BAQ encourage operators to participate in the EPA's Natural Gas STAR Program (STAR is all caps – maybe it is not that way in the Air Guidelines). I realize this is right from the Guidelines, and wondered if the team can also add “and EPA's Methane Challenge Program” to the recommendations, although that is a brand new program, in addition to Gas STAR. Although this is not in the guidelines, I think it is certainly acceptable to include in the recommendations (unless that cannot be done). Because this is a brand new program, we could probably include a link to the program in the report.

Anyway, thanks again for the opportunity to comment.

Bruce Moore

Senior Technical Advisor - Oil & Natural Gas Sector

Office of Air and Radiation

Office of Air Quality Planning and Standards

U.S. Environmental Protection Agency

Research Triangle Park, NC 27711

(919) 541-5460

moore.bruce@epa.gov

For information, visit: www3.epa.gov/airquality/oilandgas

From: Ryan Steadley [mailto: (b)(6) personal privacy]
Sent: Wednesday, March 30, 2016 12:56 PM
To: Moore, Bruce <Moore.Bruce@epa.gov>
Subject: Re: STRONGER PADEP-BAQ Air Quality Review Draft Report for Comments

Hi Bruce,

I wanted to touch base with you on the draft comments. I received comments from Joyce/DEP late Monday. I'd like to get the Review Team back on this to review the comments and finish up the report. If you have substantial comments to contribute we can hold off a little longer until you've had a chance to finish up. If not, don't worry about it. Most of DEP's comments are editorial in nature and improve the accuracy of the report but don't change the substance. If you'd like, I can wait until next Wednesday before getting back in touch with the Review Team and sending comments. I'm sorry to have to put a deadline on it, I know you've been swamped.

Ryan Steadley

Executive Director

STRONGER, Inc.

405.249.6131

On Mar 24, 2016, at 10:48 AM, Ryan Steadley < (b)(6) personal privacy > wrote:

Roger that. Thanks for the update, Bruce.

Ryan Steadley
Executive Director
STRONGER, Inc.
405.249.6131

On Mar 24, 2016, at 10:48 AM, Moore, Bruce <Moore.Bruce@epa.gov> wrote:

I'm sorry about my dropping the ball. Because of my workload today and tomorrow, it
be over the weekend before I can complete my review.

Sorry, but I'm under the gun on something.

Bruce

Bruce Moore

Senior Technical Advisor - Oil & Natural Gas Sector

Office of Air and Radiation
Office of Air Quality Planning and Standards
U.S. Environmental Protection Agency
Research Triangle Park, NC 27711
(919) 541-5460

moore.bruce@epa.gov

For information, visit: www3.epa.gov/airquality/oilandgas

From: Ryan Steadley [mailto: (b)(6) personal privacy]
Sent: Thursday, March 24, 2016 11:32 AM
To: Moore, Bruce <Moore.Bruce@epa.gov>; Epps, Joyce <jeepps@pa.gov>
Subject: Re: STRONGER PADEP-BAQ Air Quality Review Draft Report for Comments

Hi Joyce & Bruce,

Just wanted to check in and see if you had an ETA for comments on the draft.

Thanks,

Ryan Steadley
Executive Director
STRONGER, Inc.
405.249.6131

On Mar 10, 2016, at 10:45 AM, Ryan Steadley < (b)(6) personal privacy >
wrote:

Thanks, Bruce!

Ryan Steadley
Executive Director
STRONGER, Inc.
405.249.6131

On Mar 10, 2016, at 10:35 AM, Moore, Bruce <Moore.Bruce@epa.gov>
wrote:

I will have my review finished up today and will send the markup. Sorry you
had to remind me. I realize comments were due 3/1.

Bruce

Bruce Moore

Senior Technical Advisor - Oil & Natural Gas Sector

Office of Air and Radiation
Office of Air Quality Planning and Standards
U.S. Environmental Protection Agency
Research Triangle Park, NC 27711
(919) 541-5460
moore.bruce@epa.gov

For information, visit: www3.epa.gov/airquality/oilandgas

From: Ryan Steadley [mailto: (b)(6) personal privacy]
Sent: Thursday, March 10, 2016 11:31 AM
To: Epps, Joyce <jeepps@pa.gov>; Moore, Bruce
<Moore.Bruce@epa.gov>
Subject: STRONGER PADEP-BAQ Air Quality Review Draft Report for
Comments

Hi Joyce & Bruce,

I wanted to touch base with you both to check on the status of your comments on the draft report. I know the Board is eager to get this report wrapped up.

Thanks,

Ryan Steadley

Executive Director

STRONGER, Inc.

405.249.6131

From: Moore, Bruce

Importance: Normal

Subject: Accepted: FW: Meeting at API on EPA Methane Challenge (Ex. 6 - Personal Privacy)

(Ex. 6 - Personal Privacy #)

Start Date/Time: Tue 8/11/2015 5:00:00 PM

End Date/Time: Tue 8/11/2015 6:30:00 PM

To: Hill, John[John.Hill@duke-energy.com]
Cc: Bylin, Carey[Bylin.Carey@epa.gov]; Pryor, Justin[Pryor.Justin@epa.gov]; Haysbert, John A[John.Haysbert@duke-energy.com]; Stroben, Michael W[Michael.Stroben@duke-energy.com]; Denton, Diane V[Diane.Denton@duke-energy.com]; Fleming, Sandy[Sandy.Fleming@duke-energy.com]
From: Elina Bouloubasis
Sent: Fri 3/25/2016 3:45:51 PM
Subject: RE: Methane Challenge Follow-Up

Hi John,

Thank you for the information. Can you please also send your company bio (noted in my previous email)?

Thanks!

Elina Bouloubasis

ERG

2300 Wilson Blvd, Suite 350

Arlington, VA 22201

P: 703.373.0149

E: elina.bouloubasis@erg.com

From: Hill, John [mailto:John.Hill@duke-energy.com]
Sent: Friday, March 25, 2016 11:14 AM
To: Elina Bouloubasis <Elina.Bouloubasis@erg.com>
Cc: 'Bylin, Carey' <Bylin.Carey@epa.gov>; 'Pryor, Justin' <Pryor.Justin@epa.gov>; Haysbert, John A <John.Haysbert@duke-energy.com>; Stroben, Michael W <Michael.Stroben@duke-energy.com>; Denton, Diane V <Diane.Denton@duke-energy.com>; Fleming, Sandy <Sandy.Fleming@duke-energy.com>
Subject: RE: Methane Challenge Follow-Up

I apologize for the delay in responding... I believe Heath Schuler and/or John Haysbert will be attending on behalf of Duke Energy. Here is their contact information:

Heath Shuler

SVP Fed Government Affairs

550 SOUTH TRYON, DEC47D

DUKE ENERGY CENTER

Heath.Shuler@duke-energy.com

John Haysbert

Fed Government Affairs Director

325 7TH ST NW SUITE 300

WASHINGTON, DC 20004

John.Haysbert@duke-energy.com

The company website for Duke Energy is www.duke-energy.com

Thanks!

John A. Hill, Jr, PE

Director of Engineering

Duke Energy - Gas Operations

513-287-5345

john.hill@duke-energy.com

From: Elina Bouloubasis [<mailto:Elina.Bouloubasis@erg.com>]
Sent: Wednesday, March 23, 2016 12:52 PM
To: Stroben, Michael W; Hill, John
Cc: Bylin, Carey; Pryor, Justin
Subject: Methane Challenge Follow-Up

*** Exercise caution. This is an EXTERNAL email. DO NOT open attachments or click links from unknown senders or unexpected email. ***

Mr. Stroben and Mr. Hill,

Congratulations! On behalf of the U.S. Environmental Protection Agency (EPA), I am pleased to welcome you to the Natural Gas STAR Methane Challenge Program. The Partnership Agreement between your company and the U.S. EPA signifies your intent to undertake and document ambitious voluntary methane emission reductions. We will be countersigning the Partnership Agreement and providing you with a final version shortly.

In addition, thank you for sending the requested information to us. If you're able to attend the [launch](#) event next week, we still need the following items from you:

- Launch participant's name, title, and contact information
- Short bio (approximately 75 words) describing your company, commitments, and highlighting reasons for becoming a Methane Challenge Partner
- Company website and company name that should be listed on our website

Please be sure to provide these items to me (Elina.bouloubasis@erg.com) by **COB Wednesday, March 23**, if possible.

Below is the Launch Event Agenda for an understanding of how the event will be structured.

Methane Challenge Program Launch Event

When: **Wednesday, March 30, 2016, 10:00-10:45AM**

**Global Methane Forum Plenary Session, immediately following Policy Roundtable:
Different Approaches to Methane Policies 08:30-10:00AM)**

**Reserved seating at the front of the room for Methane Challenge Founding Partners.*

Where: **Georgetown University Hotel and Conference Center**
Washington, DC

Agenda:

10:00 AM -10:05 AM Welcome remarks

Janet McCabe, Acting Assistant Administrator for Air and Radiation, US EPA

10:05 AM -10:15 AM Brief Remarks from Supportive Industry Associations

American Gas Association (AGA)

Downstream Initiative

10:15 AM - 10:35 AM Introduce Program Partners

Introduce each partner in alphabetical order.

Read brief partner statements (30 seconds pre partner) that summarizes the company's business and their planned commitment as a Methane Challenge partner. While the short company statement is being read, each partner representative walks on stage and shakes hands with Janet McCabe [pause for individual photo]

10:35 AM – 10:40 AM Closing remarks

10:40 AM - 10:45 AM Group Photo

Group photo (all companies) with Janet McCabe on the stage

Additionally, from 12:30 - 1:30 pm, there will be an informal opportunity for you to discuss the Methane Challenge with EPA representatives—we hope you can attend! (The location will be announced at the Launch Event.)

If you haven't yet registered for the Global Methane Forum, please do so as soon as possible at <http://globalmethane.org/forum/>. On the day of the event, staff will be available at the registration desk to answer questions and provide assistance.

Please feel free to contact Carey Bylin (202-343-9669 or bylin.carey@epa.gov) or Justin Pryor (202-343-9258 or pryor.justin@epa.gov) with any questions about the Methane Challenge Partnership and contact Elina Bouloubasis (703-373-0149 or elina.bouloubasis@erg.com) with any questions about the launch event.

Thank you again for your support of the Methane Challenge Program and we look forward to working with you.

Sincerely,

Elina Bouloubasis

ERG - Contractor Support to the

EPA's Methane Challenge Program

To: 'Elina Bouloubasis'[Elina.Bouloubasis@erg.com]
Cc: Bylin, Carey[Bylin.Carey@epa.gov]; Pryor, Justin[Pryor.Justin@epa.gov]; Haysbert, John A[John.Haysbert@duke-energy.com]; Stroben, Michael W[Michael.Stroben@duke-energy.com]; Denton, Diane V[Diane.Denton@duke-energy.com]; Fleming, Sandy[Sandy.Fleming@duke-energy.com]
From: Hill, John
Sent: Fri 3/25/2016 3:14:10 PM
Subject: RE: Methane Challenge Follow-Up

I apologize for the delay in responding... I believe Heath Schuler and/or John Haysbert will be attending on behalf of Duke Energy. Here is their contact information:

Heath Shuler

SVP Fed Government Affairs

550 SOUTH TRYON, DEC47D

DUKE ENERGY CENTER

Heath.Shuler@duke-energy.com

John Haysbert

Fed Government Affairs Director

325 7TH ST NW SUITE 300

WASHINGTON, DC 20004

John.Haysbert@duke-energy.com

The company website for Duke Energy is www.duke-energy.com

Thanks!

John A. Hill, Jr, PE

Director of Engineering

Duke Energy - Gas Operations

513-287-5345

john.hill@duke-energy.com

From: Elina Bouloubasis [mailto:Elina.Bouloubasis@erg.com]

Sent: Wednesday, March 23, 2016 12:52 PM

To: Stroben, Michael W; Hill, John

Cc: Bylin, Carey; Pryor, Justin

Subject: Methane Challenge Follow-Up

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Mr. Stroben and Mr. Hill,

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In addition, thank you for sending the requested information to us. If you're able to attend the launch event next week, we still need the following items from you:

- Launch participant's name, title, and contact information
- Short bio (approximately 75 words) describing your company, commitments, and highlighting reasons for becoming a Methane Challenge Partner
- Company website and company name that should be listed on our website

Please be sure to provide these items to me (Elina.bouloubasis@erg.com) by **COB Wednesday, March 23**, if possible.

Below is the Launch Event Agenda for an understanding of how the event will be structured.

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**Global Methane Forum Plenary Session, immediately following Policy Roundtable:
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**Reserved seating at the front of the room for Methane Challenge Founding Partners.*

Where: **Georgetown University Hotel and Conference Center**
Washington, DC

Agenda:

10:00 AM -10:05 AM Welcome remarks

Janet McCabe, Acting Assistant Administrator for Air and Radiation, US EPA

10:05 AM -10:15 AM Brief Remarks from Supportive Industry Associations

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Please feel free to contact Carey Bylin (202-343-9669 or bylin.carey@epa.gov) or Justin Pryor (202-343-9258 or pryor.justin@epa.gov) with any questions about the Methane Challenge

Partnership and contact Elina Bouloubasis (703-373-0149 or elina.bouloubasis@erg.com) with any questions about the launch event.

Thank you again for your support of the Methane Challenge Program and we look forward to working with you.

Sincerely,

Elina Bouloubasis

ERG - Contractor Support to the

EPA's Methane Challenge Program

To: Bylin, Carey[Bylin.Carey@epa.gov]
Cc: Pryor, Justin[Pryor.Justin@epa.gov]
From: mbanas@nisource.com
Sent: Fri 3/25/2016 12:42:04 AM
Subject: Re: Methane Challenge Launch Event

Thank you!

Sent from my iPhone

> On Mar 24, 2016, at 7:40 PM, Bylin, Carey <Bylin.Carey@epa.gov> wrote:

>

> Hi Mike,

>

> We are still developing a logo that is distinct from Natural Gas STAR so I don't have anything to share now. We hope to have it soon and will definitely share with partners.

>

>

> Ms. Carey Bylin

> International Programs Leader, Oil and Gas

> Natural Gas STAR Program

> Global Methane Initiative

> U.S. Environmental Protection Agency

> Phone: +1-202-343-9669

>

> Visiting Address & Private Deliveries (courier, FedEx etc.)

> 1201 Constitution Ave NW, Room Number 4353 UU, Washington DC 20004

>

> U.S. Mail Address:

> Mail Code 6207M, 1200 Pennsylvania Ave NW, Washington DC 20460

>

>

>

> -----Original Message-----

> From: mbanas@nisource.com [mailto:mbanas@nisource.com]

> Sent: Thursday, March 24, 2016 5:39 PM

> To: Bylin, Carey <Bylin.Carey@epa.gov>

> Subject: Re: Methane Challenge Launch Event

>

> Thanks. Are we able to use the Methane Challenge logo as a Founding Partner? If not, that's okay. If so, can you send me a high-quality version? Thanks!

>

>

> Mike Banas

> Director of Corporate Communications

> NiSource Inc.

> v: 219.647.5581

> c: (b)(6) personal privacy

> mbanas@nisource.com

>

>

>

>

> From: "Bylin, Carey" <Bylin.Carey@epa.gov>
> To: "mbanas@nisource.com" <mbanas@nisource.com>,
> Date: 03/24/2016 10:18 AM
> Subject: Methane Challenge Launch Event
>
>
>
> Hello Mike,
>
> Good talking to you a minute ago. Below are the key points to consider
for communications about the Methane Challenge launch. I've also confirmed
we will be using the main EPA Facebook and Twitter accounts for social
media.
> Please let me know if you have any other questions.
>
>
>
> · Today at the Global Methane Forum in Washington D.C., EPA
> announced the launch of a new voluntary partnership program—the Natural
Gas STAR Methane Challenge Program—with founding partner companies in the
oil and gas sector.
>
>
> · Companies participating in the Methane Challenge program are
> helping to realize valuable opportunities to reduce methane emissions,
improve air quality, and capture this valuable resource.
>
>
> · Through the Methane Challenge Program, partner companies have a
> platform to demonstrate their role as industry leaders by committing to
adopt best management practices company-wide for key sources within five
years.
>
>
> · Through this program, partner companies have the capability to
> achieve significant voluntary reductions in a flexible and cost-effective
way.
>
>
> · Transparency is a fundamental part of the Program, and partners
> will submit data directly to EPA to track their achievements over time.
>
>
> · The Methane Challenge Program is an important part of the Obama
> Administration's strategy to reduce methane emissions from the oil and
gas sector.
>
>
>

> Ms. Carey Bylin
> International Programs Leader, Oil and Gas Natural Gas STAR Program
Global Methane Initiative U.S. Environmental Protection Agency
> Phone: +1-202-343-9669
>
> Visiting Address & Private Deliveries (courier, FedEx etc.)
> 1201 Constitution Ave NW, Room Number 4353 UU, Washington DC 20004

>
> U.S. Mail Address:
> Mail Code 6207M, 1200 Pennsylvania Ave NW, Washington DC 20460
>
> (Embedded image moved to file: pic00041.gif)
>

To: Elina Bouloubasis[Elina.Bouloubasis@erg.com]
Cc: Pryor, Justin[Pryor.Justin@epa.gov]; Ammon, Greg[Gregory.Ammon@nngco.com]
From: Butcher, Callee (Kern River)
Sent: Wed 3/23/2016 9:52:29 PM
Subject: RE: Methane Challenge Follow-Up
2016 03 23 Kern River Methane Challenge Partner Agreement.pdf

Elina,

Below are Kern River's responses to your information request. Attached is a copy of the partner agreement; the original agreement is in the mail. Please let me know if you have any questions or need any additional information.

Best regards,

Callee Butcher

Manager, Land & Environment

Kern River Gas Transmission

2755 E. Cottonwood Parkway, Suite 300

Salt Lake City, UT 84121

801-937-6056 (office)

801-518-3342 (cell)

callee.butcher@kernrivergas.com

From: Elina Bouloubasis [mailto:Elina.Bouloubasis@erg.com]
Sent: Tuesday, March 22, 2016 2:59 PM
To: Butcher, Callee (Kern River) <Callee.Butcher@kernrivergas.com>
Subject: [INTERNET] Methane Challenge Follow-Up

This message originated outside of Berkshire Hathaway Energy's email system. Use caution if

this message contains attachments, links or requests for information. Verify the sender before opening attachments, clicking links or providing information.

Ms. Butcher,

Thank you for letting us know that you will be participating at the Methane Challenge Program Launch Event next week. However, we still need the following items from you:

- ☐ ☐ ☐ ☐ ☐ ☐ Partnership agreement (as Justin Pryor mentioned earlier today)

Attached

- ☐ ☐ ☐ ☐ ☐ ☐ Launch participant's name, title, and contact information

Greg Ammon will be representing both Kern River and Northern Natural Gas at the launch. His information is included in the Northern Natural Gas submittal.

- ☐ ☐ ☐ ☐ ☐ ☐ Short bio (approximately 75 words) describing your company, commitments, and highlighting reasons for becoming a Methane Challenge Partner

The Kern River pipeline system transports natural gas for delivery into Utah, Nevada and California. Extending from the gas-producing fields in Wyoming to Bakersfield, California, Kern River delivers 2.17 billion cubic feet of natural gas per day to customers along the pipeline system.

Kern River, along with other Berkshire Hathaway Energy subsidiaries, believes responsible environmental management is good business; it benefits our customers and improves the quality of the environment in which we live.

- ☐ ☐ ☐ ☐ ☐ ☐ Company website and company name that should be listed on our website

Kern River Gas Transmission Company

www.kernrivergas.com

Please be sure to provide these items to me (Elina.bouloubasis@erg.com) by **COB Wednesday, March 23**.

Below is the Launch Event Agenda for an understanding of how the event will be structured.

Methane Challenge Program Launch Event

When: **Wednesday, March 30, 2016, 10:00-10:45AM**

Global Methane Forum Plenary Session, immediately following Policy Roundtable: Different Approaches to Methane Policies 08:30-10:00AM)

**Reserved seating at the front of the room for Methane Challenge Founding Partners.*

Where: **Georgetown University Hotel and Conference Center**
Washington, DC

Agenda:

10:00 AM -10:05 AM Welcome remarks

Janet McCabe, Acting Assistant Administrator for Air and Radiation, US EPA

10:05 AM -10:15 AM Brief Remarks from Supportive Industry Associations

American Gas Association (AGA)

Downstream Initiative

10:15 AM - 10:35 AM Introduce Program Partners

Introduce each partner in alphabetical order.

Read brief partner statements (30 seconds pre partner) that summarizes the company's business and their planned commitment as a Methane Challenge partner. While the short company statement is being read, each partner representative walks on stage and shakes hands with Janet McCabe [pause for individual photo]

10:35 AM – 10:40 AM Closing remarks

10:40 AM - 10:45 AM Group Photo

Group photo (all companies) with Janet McCabe on the stage

Additionally, from 12:30 - 1:30 pm, there will be an informal opportunity for you to discuss the Methane Challenge with EPA representatives—we hope you can attend! (The location will be announced at the Launch Event.)

If you haven't yet registered for the Global Methane Forum, please do so as soon as possible at <http://globalmethane.org/forum/>. On the day of the event, staff will be available at the registration desk to answer questions and provide assistance.

Please feel free to contact Carey Bylin (202-343-9669 or bylin.carey@epa.gov) or Justin Pryor (202-343-9258 or pryor.justin@epa.gov) with any questions about the Methane Challenge Partnership and contact Elina Bouloubasis (703-373-0149 or elina.bouloubasis@erg.com) with any questions about the launch event.

Thank you again for your support of the Methane Challenge Program and we look forward to working with you.

Sincerely,

Elina Bouloubasis

ERG - Contractor Support to the
EPA's Methane Challenge Program



Natural Gas STAR Methane Challenge Program: Partnership Agreement for Best Management Practice (BMP) Commitment

The Natural Gas STAR Methane Challenge Program is a flexible, voluntary partnership between the U.S. Environmental Protection Agency (EPA) and oil and natural gas companies. This voluntary Program allows the EPA to collaborate with Partners to promote and track ambitious, transparent commitments to voluntarily reduce methane emissions beyond regulatory requirements and to recognize Partners for their progress. By signing this agreement, Kern River Gas Transmission (company name) agrees to join the U.S. EPA to reduce methane emissions through a Best Management Practice (BMP) Commitment. The BMP Commitment entails a Partner commitment to company-wide implementation of BMPs to reduce methane emissions from key sources by a future target date. Partners commit to at least one emission source and specify a target year of completion (maximum of five [5] years from commitment start date).

Partner's Best Management Practice Commitment: Please specify participating sources, start date, and target achievement year in the table below; check all that apply. For companies joining at the corporate level that wish to make separate commitments for each of their subsidiaries/LDCs, please use "Appendix A: Commitment Table" found on the Methane Challenge Program website and submit in conjunction with this Partnership Agreement.

Source	Start Date	Achievement Year
Onshore Production		
<input type="checkbox"/> Pneumatic Controllers		
<input type="checkbox"/> Equipment Leaks/Fugitive Emissions		
<input type="checkbox"/> Liquids Unloading		
<input type="checkbox"/> Pneumatic Pumps		
<input type="checkbox"/> Fixed Roof, Atmospheric Pressure Hydrocarbon Liquid Storage Tanks		
Gathering and Boosting		
<input type="checkbox"/> Pneumatic Controllers		
<input type="checkbox"/> Equipment Leaks/Fugitive Emissions		
<input type="checkbox"/> Pneumatic Pumps		
<input type="checkbox"/> Fixed Roof, Atmospheric Pressure Hydrocarbon Liquid Storage Tanks		
<input type="checkbox"/> Reciprocating Compressors - Rod Packing Vent		
<input type="checkbox"/> Centrifugal Compressors - Venting		
Natural Gas (NG) Processing		
<input type="checkbox"/> Reciprocating Compressors - Rod Packing Vent		
<input type="checkbox"/> Centrifugal Compressors - Venting		
NG Transmission & Underground Storage		
<input type="checkbox"/> Reciprocating Compressors - Rod Packing Vent		
<input type="checkbox"/> Centrifugal Compressors - Venting		
<input type="checkbox"/> Equipment Leaks/Fugitive Emissions		
<input checked="" type="checkbox"/> Transmission Pipeline Blowdowns between Compressor Stations	09/29/2016	2021
<input type="checkbox"/> Pneumatic Controllers		
NG Distribution		
<input type="checkbox"/> M&R Stations/City Gates		
<input type="checkbox"/> Mains – Cast Iron and Unprotected Steel (Commitment Rate: _____)		
<input type="checkbox"/> Services – Cast Iron and Unprotected Steel		
<input type="checkbox"/> Distribution Pipeline Blowdowns (Commitment Rate: _____)		
<input type="checkbox"/> Excavation Damages		



EPA's Responsibilities

1. Assign a Methane Challenge Program Representative responsible for assisting the Partner in implementing the Program.
2. Provide relevant Program details, which can be found in the Natural Gas STAR Methane Challenge Program: BMP Framework and Methane Challenge BMP Supplemental Technical Information documents.
3. Assist Partners with Program implementation by:
 - (i) providing relevant technical information;
 - (ii) developing a mechanism for reporting supplemental information;
 - (iii) updating Program information as needed, including updating the list of participating sources and mitigation options covered in the Program; and
 - (iv) answering questions about Program participation.
4. Encourage new and innovative methane emission mitigation technologies, as well as methodologies for monitoring and measuring progress, and incorporate them into the Program.
5. Track Partner progress through provision of a user-friendly reporting system through which Partners can report supplementary data relevant to achieving their Methane Challenge commitments. Supplementary data will be used in conjunction with data that are already collected by Subpart W of the Greenhouse Gas Reporting Program (GHGRP) to track Partner progress.
6. Promote the transparency and visibility of the Methane Challenge Program and member commitments and achievements, by publicly releasing non-confidential data that is submitted either through the Methane Challenge Program or through the GHGRP.
7. Acknowledge Program Partners through announcement of commitments, Implementation Plans, progress, and achievement of goals on the EPA's Methane Challenge website.

Natural Gas STAR Methane Challenge Partner's Responsibilities

1. Designate a company representative as the Natural Gas STAR Methane Challenge Program Implementation Manager responsible for serving as the contact point concerning implementation of this voluntary agreement.
2. Submit an Implementation Plan within six (6) months of signing this agreement outlining expected activities and milestones for achieving commitments.
3. Specify commitment start date(s), which will be within six (6) months of joining the Program.
4. Implement BMPs for the selected participating sources across company operations to achieve mitigation commitments by the specified commitment target year, not to exceed five (5) years from the specified commitment start date.
5. Report on an annual basis non-CBI supplementary data relevant to achieving Methane Challenge commitments, as outlined in Program documents. Supplementary data will be used in conjunction with data collected by Subpart W of the GHGRP to demonstrate Partner progress within the Program.
6. Communicate participation to employees.

General Terms

1. This voluntary partnership is intended to promote and recognize voluntary actions taken by oil and gas companies to reduce methane emissions from their operations. It is understood that Partners to this Program may have operations covered by federal, state, and/or other regulatory requirements. It is anticipated that Partners may achieve their Methane Challenge Program commitments through a combination of voluntarily- and regulatorily-driven actions. Participation in this Program does not in any way change legal obligations of Partners to comply with applicable laws regulations.
2. This agreement can be terminated by either party at any time, with no notice or penalties and no further obligation. The EPA agrees not to publicize a Partner's withdrawal from the Program beyond removing the Partner's name from Methane Challenge website. By setting out a target date on this form the Company does not intend to expose itself to regulatory liability if it cannot meet the target date.



3. The Partner agrees that the activities it undertakes connected with this Partnership Agreement are not intended to provide services to the federal government and that the Partner will not seek compensation from a federal agency.
4. The Partner agrees that it will not claim or imply that its participation in the Program constitutes the EPA approval or endorsement of anything other than the commitment to the Program. The Partner cannot use or appropriate the EPA seal or identifier in any way.
5. In order to maintain status as a Partner in the Methane Challenge Program, the Partner agrees to annually report specified supplemental data, per Program reporting specifications.
6. If the Partner is unable to meet a BMP commitment by the target year, and intends to remain in the Program, the Partner company will provide relevant contextual information for the delay and set a new target year. The EPA will note the adjustment to the implementation timeline on the Methane Challenge website.
7. All commitments made by the EPA in this Partnership Agreement are subject to the availability of appropriated funds. Nothing in this Partnership Agreement, in and of itself, obligates the EPA to expend appropriations or to enter into any contract, assistance agreement, interagency agreement, or incur other financial obligations that would be inconsistent with Agency budget priorities. This Partnership Agreement does not exempt the Partner from the EPA policies governing competition for assistance agreements. Any transaction involving reimbursement or contribution of funds between the parties to this Partnership Agreement will be handled in accordance with applicable laws, regulations, and procedures under separate written agreements.

Signatures and Partner Contact Details

BD
Authorized Company Representative (name): Robert Checketts Vice President - Operations & Engineering

Signature:  Date: March 23, 2016

Authorized U.S. EPA Representative: Paul M. Gunning, Director, Climate Change Division

Signature: _____ Date: _____

Partner's Designated Natural Gas STAR Methane Challenge Implementation Manager:

Name: Callee Butcher

Title: Manager - Land & Environmental

Address: 2755 E Cottonwood Parkway, Suite 300

City/State/Zip: Salt Lake City, UT 84121

Telephone/Fax: 801-937-6056 E-mail: callee.butcher@kernriversgas.com

Instructions

Please send this form to: Natural Gas STAR Methane Challenge Program

Standard Mail: Mail Code 6207M
1200 Pennsylvania Ave NW Washington DC 20460

Overnight Mail: 1201 Constitution Ave NW, Room Number 4353 UU
Washington DC 20004

To: John Osborne[john.osborne@glowink.biz]
From: Pryor, Justin
Sent: Thur 4/21/2016 2:59:34 PM
Subject: RE: Methane Challenge Program

<https://www3.epa.gov/gasstar/methanechallenge/>

-----Original Message-----

From: John Osborne [mailto:john.osborne@glowink.biz]
Sent: Wednesday, April 20, 2016 3:31 PM
To: Pryor, Justin <Pryor.Justin@epa.gov>
Subject: Methane Challenge Program

Justin

Could you please let us know how we become a partner in the MCP?

Regards,

John

John Osborne
Glowink LLC
PO Box 106
Montgomery Center, Vermont
USA 05471
(802) 933-2711
john.osborne@glowink.biz
www.glowink.biz

To: Fleming, Sandy[Sandy.Fleming@duke-energy.com]
From: Pryor, Justin
Sent: Wed 3/23/2016 1:45:56 PM
Subject: RE: Natural Gas STAR Methane Challenge

Excellent news, Sandy! You should receive an official email shortly detailing next steps and other items we may need to recognize Duke Energy at the launch event.

Thank you!

Justin

Justin Pryor

Climate Change Division

U.S. Environmental Protection Agency

202-343-9258

From: Fleming, Sandy [mailto:Sandy.Fleming@duke-energy.com]
Sent: Wednesday, March 23, 2016 9:41 AM
To: Pryor, Justin <Pryor.Justin@epa.gov>
Subject: Natural Gas STAR Methane Challenge

Dear Mr. Pryor –

I just wanted to let you know that I overnighted the attached agreement yesterday Via UPS,

which should arrive today, to the overnight address on the form.

Thank you.

Sandy

Sandy Fleming

Executive Assistant

Duke Energy | 139 East Fourth Street | Mail Code: 1409-M | Cincinnati, OH 45202

513-287-3329 (O) | 513-629-5929 (F) | sandy.fleming@duke-energy.com

To: Michael Rose[Michael.Rose@kub.org]
From: Pryor, Justin
Sent: Tue 3/22/2016 9:19:28 PM
Subject: RE: Thank You For Your Interest in the Natural Gas STAR Methane Challenge Program

Great to hear. We will send an official email in response to receipt of the partnership agreement, but we do still plan to recognize KUB at the kickoff event and if you could provide a short bio (up to 75 words) of the company, the commitments, and highlight why KUB became a Methane Challenge partner, that would be greatly appreciated. In addition, please provide a link to your company's website as well as the specific way your company should be listed on the Methane Challenge Program website.

Talk to you soon!

Justin

Justin Pryor

Climate Change Division

U.S. Environmental Protection Agency

202-343-9258

From: Michael Rose [mailto:Michael.Rose@kub.org]
Sent: Tuesday, March 22, 2016 4:41 PM
To: Pryor, Justin <Pryor.Justin@epa.gov>
Subject: RE: Thank You For Your Interest in the Natural Gas STAR Methane Challenge Program

Ok thanks. I should have them both to you tomorrow. I do not think that we are sending anyone to the kickoff event.

Michael.Rose@kub.org | Regulatory Specialist | Knoxville Utilities Board

4505 Middlebrook Pike | Knoxville TN 37921-5599
(865) 558-2734

www.kub.org Your Source for Energy and Water Services

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From: "Pryor, Justin" <Pryor.Justin@epa.gov>
To: Michael Rose <Michael.Rose@kub.org>
Date: 03/22/2016 04:33 PM
Subject: RE: Thank You For Your Interest in the Natural Gas STAR Methane Challenge Program

Hi Michael, emailed copy is perfectly fine, thank you!!

Justin

From: Michael Rose [<mailto:Michael.Rose@kub.org>]
Sent: Tuesday, March 22, 2016 4:23 PM
To: Pryor, Justin <Pryor.Justin@epa.gov>
Subject: Fw: Thank You For Your Interest in the Natural Gas STAR Methane Challenge Program

Justin

I just got the signed Partnership Agreement back from our upper management. It appears as if we are going to enroll. Can I send you an electronic copy of the commitment form, or do you need the hard copy overnighted as below? Also I am working on the summary, and it is currently in review and I hope to send it to you tomorrow. Please let me know if electronic submittal is acceptable. Thanks.

Michael.Rose@kub.org | Regulatory Specialist | Knoxville Utilities Board
4505 Middlebrook Pike | Knoxville TN 37921-5599
(865) 558-2734
www.kub.org Your Source for Energy and Water Services

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----- Forwarded by Michael Rose/TCH/EAO/KUB on 03/22/2016 04:20 PM -----

From: "U.S. EPA's Natural Gas STAR Program" <gasstar@erg.com>
To: Michael <Michael.Rose@KUB.ORG>
Date: 03/16/2016 05:17 PM

Subject: Thank You For Your Interest in the Natural Gas STAR Methane Challenge Program

Dear Michael:

On behalf of the U.S. Environmental Protection Agency (EPA), I am pleased to hear of your interest in joining the Natural Gas STAR Methane Challenge Program as a founding partner. We will be officially launching this new program at the Global Methane Forum (GMF) at 10:00am on March 30, 2016 in Washington, D.C.

The launch event will be hosted by Janet McCabe, EPA's Acting Assistant Administrator for Air and Radiation. If you confirm your participation as a founding partner, we encourage you to attend this exciting event. We will recognize your company even if you are not able to participate in person. Please be aware of the following next steps:

-By March 23, please contact us (see contact information below) to confirm that you will be joining as a founding partner, and provide your signed Partnership Agreement.

o Provide us a short bio (approximately 75 words) describing your company, your commitments, and highlighting reasons for becoming a Methane Challenge partner.

o If your company plans to attend the Launch Event, provide the name, title, and contact information of the person who will be representing your company at the event and, if different, the contact information for the individual coordinating your company's participation at the event.

-Also, by March 23, please provide a link to your company's website as well as the specific way your company should be listed on the Methane Challenge Program website.

-Be sure to register for the GMF as soon as possible (<http://globalmethane.org/forum/>).

Please send the above information to myself and Elina Bouloubasis (elina.bouloubasis@erg.com). Once we receive confirmation of your participation, we will provide more specific details about the launch event agenda, which will include recognition of each partner and individual and group photos. Please note that due to time constraints, we do not anticipate that partner companies will be able to give individual remarks at the event.

As a new Methane Challenge Program partner, there are a few next steps to be aware of. Within six months after joining the Program, each partner must develop an Implementation Plan to provide details on their planned participation, such as anticipated rate of progress, key milestones, and other relevant context. See the following Guidelines document for more information about how to develop an Implementation Plan: http://www3.epa.gov/gasstar/documents/MC_IP_Guidelines_Final.pdf.

We will also be working with partners as we develop the Program's reporting system, and will be seeking input and feedback in the coming months. Finally, in an effort to further highlight our partners' accomplishments, we aim to work with partners to develop "Fact Sheets" that cover notable historical actions taken in advance of the Methane Challenge Program in efforts to mitigate methane emissions.

We encourage you to attend the full GMF event that will offer high-level plenary sessions on cross-cutting issues such as project financing, joint Global Methane Initiative (GMI)-Climate & Clean Air Coalition (CCAC) discussions on projects and policy, and ample opportunities for networking with methane experts in the public and private sectors from around the world. A draft agenda is available at <http://globalmethane.org/forum/>. We hope you are able to attend and participate in the sessions.

Please feel free to contact me or Justin Pryor (202-343-9258 or pryor.justin@epa.gov) with any questions you may have about the Methane Challenge Partnership. Please contact Elina Bouloubasis (703-373-0149 or elina.bouloubasis@erg.com) with any questions about the launch event. Thank you again for your support of the Methane Challenge Program and we hope to see you at the launch event in Washington, D.C.

Sincerely,

Ms. Carey Bylin
U.S. Environmental Protection Agency
202-343-9669
bylin.carey@epa.gov

To: Michael Rose[Michael.Rose@kub.org]
From: Pryor, Justin
Sent: Tue 3/22/2016 8:32:25 PM
Subject: RE: Thank You For Your Interest in the Natural Gas STAR Methane Challenge Program

Hi Michael, emailed copy is perfectly fine, thank you!!

Justin

From: Michael Rose [mailto:Michael.Rose@kub.org]
Sent: Tuesday, March 22, 2016 4:23 PM
To: Pryor, Justin <Pryor.Justin@epa.gov>
Subject: Fw: Thank You For Your Interest in the Natural Gas STAR Methane Challenge Program

Justin

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----- Forwarded by Michael Rose/TCH/EAO/KUB on 03/22/2016 04:20 PM -----

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To: Michael <Michael.Rose@KUB.ORG>
Date: 03/16/2016 05:17 PM
Subject: Thank You For Your Interest in the Natural Gas STAR Methane Challenge Program

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-Be sure to register for the GMF as soon as possible (<http://globalmethane.org/forum/>).

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A draft agenda is available at <http://globalmethane.org/forum/>. We hope you are able to attend and participate in the sessions.

Please feel free to contact me or Justin Pryor (202-343-9258 or pryor.justin@epa.gov) with any questions you may have about the Methane Challenge Partnership. Please contact Elina Bouloubasis (703-373-0149 or elina.bouloubasis@erg.com) with any questions about the launch event. Thank you again for your support of the Methane Challenge Program and we hope to see you at the launch event in Washington, D.C.

Sincerely,

Ms. Carey Bylin
U.S. Environmental Protection Agency
202-343-9669
bylin.carey@epa.gov

To: Butcher, Callee (Kern River)[Callee.Butcher@kernrivergas.com]
Cc: Elina Bouloubasis[Elina.Bouloubasis@erg.com]; Bylin, Carey[Bylin.Carey@epa.gov]
From: Pryor, Justin
Sent: Tue 3/22/2016 7:49:25 PM
Subject: Kern River and Northern Natural Gas Confirmation

Hi Callee,

Thank you for confirming that Kern River Gas Transmission and Northern Natural Gas will be joining as founding partners in the Methane Challenge! Here is another copy of our previously sent informational email, as requested, and we will look out for the Partnership Agreements when you are able to get those to us (scanned and emailed is perfectly fine):

On behalf of the U.S. Environmental Protection Agency (EPA), I am pleased to hear of your interest in joining the Natural Gas STAR Methane Challenge Program as a founding partner. We will be officially launching this new program at the Global Methane Forum (GMF) at 10:00am on March 30, 2016 in Washington, D.C.

The launch event will be hosted by Janet McCabe, EPA's Acting Assistant Administrator for Air and Radiation. If you confirm your participation as a founding partner, we encourage you to attend this exciting event. We will recognize your company even if you are not able to participate in person. Please be aware of the following next steps:

- ☐ ☐ ☐ ☐ ☐ ☐ By March 23, please contact us (see contact information below) to confirm that you will be joining as a founding partner, and provide your signed Partnership Agreement.

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- If your company plans to attend the Launch Event, provide the name, title, and contact information of the person who will be representing your company at the event and, if different, the contact information for the individual coordinating your company's participation at the event.

- ☐ ☐ ☐ ☐ ☐ ☐ Also, by March 23, please provide a link to your company's website as well as the specific way your company should be listed on the Methane Challenge Program website.

- ☐ ☐ ☐ ☐ ☐ ☐ Be sure to register for the GMF as soon as possible

(<http://globalmethane.org/forum/>).

Please send the above information to Elina Bouloubasis (elina.bouloubasis@erg.com). Once we receive confirmation of your participation, we will provide more specific details about the launch event agenda, which will include recognition of each partner and individual and group photos. Please note that due to time constraints, we do not anticipate that partner companies will be able to give individual remarks at the event.

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Please feel free to contact me with any questions you may have about the Methane Challenge Partnership. Please contact Elina Bouloubasis (703-373-0149 or elina.bouloubasis@erg.com) with any questions about the launch event. Thank you again for your support of the Methane Challenge Program and we hope to see you at the launch event in Washington, D.C.

Respectfully,

Justin Pryor

Climate Change Division

U.S. Environmental Protection Agency

202-343-9258

To: Lacey, Pam[PLacey@aga.org]
Cc: Bylin, Carey[Bylin.Carey@epa.gov]
From: Pryor, Justin
Sent: Tue 3/22/2016 7:36:56 PM
Subject: FW: Methane Challenge Launch Event

Hi Pam,

The registration desk will be open by (and before) 8:30. The plenary roundtable that precedes our event begins at 8:30, so attendees of that will have registered in advance.

In response to the request for the two pictures, that should be no problem. We will plan to set up the AGA members/Janet photo after the overall group is taken. As far as the individual picture of the Chairman and Janet, each company representative will be going up on stage and getting an individual photo with Janet. Since Mr. LaRossa will be representing PSEG (correct?), he will get the individual photo with Janet as PSEG is called up to be recognized. If someone else is planning on going up for PSEG, I'm sure we can get the individual shot after the AGA shot.

With regard to the time for remarks, we will be maintaining our original agenda and sticking with five minutes for both AGA and DSI. We are also looking to cap the number of speakers to two, as three within five minutes seems excessive.

Let me know if there is anything else I can answer/assist with.

Respectfully,

Justin

From: Lacey, Pam [mailto:PLacey@aga.org]
Sent: Tuesday, March 22, 2016 12:32 PM
To: Pryor, Justin <Pryor.Justin@epa.gov>
Cc: Bylin, Carey <Bylin.Carey@epa.gov>; Rubin, Jake <JRubin@aga.org>; Traweek, Lori

<LTraweek@aga.org>

Subject: RE: Methane Challenge Launch Event

Justin – Thank you. This is very helpful. Could we please have 10 minutes of the 15 minutes you have allocated for “Industry Associations.” DSI is a small subset of AGA members, all of whom are included in the AGA group. And we have our Chairman of the Board traveling to Washington for this event and probably our Vice Chairman of the Board flying in from Oklahoma (who also chairs the Board Natural Gas Emissions Task Force and will be Board Chairman next year). I would like to make it worth their while.

We are all looking forward to the event! - Pam

Pamela A. Lacey | Chief Regulatory Counsel

Office of General Counsel

American Gas Association

400 N. Capitol St., NW | Washington, DC | 20001

P: 202-824-7340 | M: 202-809-6565 | F: 202-824-9190 | placey@aga.org

The American Gas Association represents more than 200 local energy companies committed to the safe and reliable delivery of clean natural gas to over 69 million customers throughout the nation.

From: Pryor, Justin [<mailto:Pryor.Justin@epa.gov>]

Sent: Tuesday, March 22, 2016 12:24 PM

To: Lacey, Pam <PLacey@aga.org>

Cc: Bylin, Carey <Bylin.Carey@epa.gov>; Rubin, Jake <JRubin@aga.org>; Traweek, Lori <LTraweek@aga.org>

Subject: RE: Methane Challenge Launch Event

Hi Pam,

Hope the below helps, but again, let me know if there is anything further info you or the speakers might need.

With regard to the first three bulleted questions, I'll refer to the draft Event Agenda:

10:00 AM -10:05 AM Welcome remarks (Janet McCabe)

10:05 AM -10:15 AM Brief Remarks from Supportive Industry Associations

American Gas Association (AGA)

Downstream Initiative (DSI)

10:15 AM - 10:35 AM Introduce Program Partners

10:35 AM – 10:40 AM Closing remarks

10:40 AM - 10:45 AM Group Photo

The length of the event will be 45 minutes, and structured as indicated above. Ms. McCabe will provide the opening remarks, which will last at most 5 minutes. Due to the time constraints, AGA and Downstream Initiative will both have 5 minutes each to speak.

We are planning for the company reps to provide us with a short (75 word) bio describing their company, their commitment(s), and reasons for becoming program partners, and each one of those will be read during the “Introduce Program Partners” time slot. We are planning to have company representatives come on stage for individual photos as their bios are read. We are mindful of timing for this, and hence are keeping the bios very short, but also need to balance the fact that individuals will be traveling for this and we want to give them appropriate recognition for participating.

Finally, all individuals that plan to attend the launch event should register for the GMF.

Registration is free and there is no requirement to attend any other conference events. We will have specific logistical information for participants available when they pick up their nametags at registration.

Respectfully,

Justin

Justin Pryor

Climate Change Division

U.S. Environmental Protection Agency

202-343-9258

From: Lacey, Pam [<mailto:PLacey@aga.org>]

Sent: Friday, March 18, 2016 5:11 PM

To: Pryor, Justin <Pryor.Justin@epa.gov>

Cc: Bylin, Carey <Bylin.Carey@epa.gov>; Rubin, Jake <JRubin@aga.org>; Traweek, Lori <LTraweek@aga.org>

Subject: RE: Methane Challenge Launch Event

Justin – Yes, Ralph LaRossa is definitely planning to attend and to give some remarks. We actually had interest from a second CEO, our Board First Vice Chair and CEO of ONE Gas Pierce Norton. But if we only have 5 minutes for AGA remarks, I think I should probably find out if he still wants to come to DC. I have copied Jake Rubin our communications director – as Jake will likely draft the remarks. He can figure out which portion would be for Mr. LaRossa and which for Ms. Traweek.

•□□□□□□□ Could you give me a rough idea of how the event is likely to be structured? About how long will it be in total? An hour?

•□□□□□□□ Do you plan to have other industry *speakers*?

•□□□□□□□ How long do you plan for Air Administrator Janet McCabe to speak (and/or Administrator McCarthy if she drops in)?

•□□□□□□□ Do you plan to have company reps troop across the stage to collect their certificates like a graduation? (hope not – that would be deadly dull) I think reading the names and having them printed – along with a group photo for each group would keep it crisp while providing acknowledgement. (e.g. AGA & member distribution companies in one photo, INGAA pipelines, ONE Future if they are ready...) We could arrange for individual company photos after the main launch event.

•□□□□□□□ Just to confirm – Founding Partners etc. can come to just the launch event without having to register for the whole Global Methane conference, correct?

- Thoughts? Thanks! - Pam

Pamela A. Lacey | Chief Regulatory Counsel

Office of General Counsel

American Gas Association

400 N. Capitol St., NW | Washington, DC | 20001

P: 202-824-7340 | M: 202-809-6565 | F: 202-824-9190 | placey@aga.org

The American Gas Association represents more than 200 local energy companies committed to the safe and reliable delivery of clean natural gas to over 69 million customers throughout the nation.

From: Pryor, Justin [<mailto:Pryor.Justin@epa.gov>]
Sent: Friday, March 18, 2016 4:27 PM
To: Lacey, Pam <PLacey@aga.org>
Cc: Bylin, Carey <Bylin.Carey@epa.gov>
Subject: Methane Challenge Launch Event

Hi Pam,

So March 30th is coming quick, and we are trying to tie up all of our launch event bows.

AGA is one of those bows! As previously discussed, we welcome some brief remarks from AGA during the event. Due to time constraints, we are looking to limit these remarks to a maximum of 5 minutes. As far as content goes, we would appreciate it if AGA could share the planned remarks with us prior to the event for our awareness (if possible, by March 23). Can you confirm that Ralph LaRossa and Lori Traweek are still planned to speak (or if the time constraint may make it difficult for both to speak)?

Our agenda at this point is as follows (it has been evolving, but if further changes are made that may affect AGA, we will be sure to share with you):

Agenda:

10:00 AM -10:05 AM Welcome remarks

10:05 AM -10:15 AM Brief Remarks from Supportive Industry Associations

American Gas Association (AGA)

Downstream Initiative (DSI)

10:15 AM - 10:35 AM Introduce Program Partners

10:35 AM – 10:40 AM Closing remarks

10:40 AM - 10:45 AM Group Photo

Please do not distribute this draft agenda, as we intend to send a final, detailed version to all companies attending. Please let me know if you have any questions, and have a great weekend!

Respectfully,

Justin

Justin Pryor

Climate Change Division

U.S. Environmental Protection Agency

202-343-9258

To: Linda M. Hilbert[LINDA.HILBERT@cmsenergy.com]
From: Pryor, Justin
Sent: Tue 3/22/2016 4:44:50 PM
Subject: RE: Consumers Energy plans to join EPA Voluntary Methane Challenge

Hi Linda, the critical time is the time allotted for the Launch Event itself: 10:00-10:45AM, with no other required events. Of course, you may attend other events if you like. You can expect to receive another email shortly regarding additional details and items we may need from Consumers Energy in advance of the event.

Thank you!

Justin

From: Linda M. Hilbert [mailto:LINDA.HILBERT@cmsenergy.com]
Sent: Tuesday, March 22, 2016 11:39 AM
To: Pryor, Justin <Pryor.Justin@epa.gov>
Subject: FW: Consumers Energy plans to join EPA Voluntary Methane Challenge

Hi Justin – I will be attending the Methane Challenge Event for Consumers Energy on March 30.

The agenda appears to include a number of items which I will try to attend, but can you tell me the critical time/events that I should attend that day as a Methane Challenge Founding Member?

Thanks in advance,

Linda M. Hilbert, P.E.

Executive Director, Environmental Services

517-788-0044

WORKING TO DELIVER THE ENERGY YOU NEED, WHENEVER YOU NEED IT.

THAT'S OUR PROMISE TO MICHIGAN!



Please consider the environment before printing this email



From: Dennis D. Dobbs

Sent: Friday, March 18, 2016 4:01 PM

To: Linda M. Hilbert

Subject: FW: Consumers Energy plans to join EPA Voluntary Methane Challenge

FYI

Dennis D. Dobbs, Vice President

Enterprise Project Management, Engineering & Services | Consumers Energy
1945 W Parnall Road, P26-702 | Jackson, MI 49201 | T: 517.788.0806 | F: 517.788.8936

dennis.dobbs@cmsenergy.com

From: Pryor, Justin [<mailto:Pryor.Justin@epa.gov>]

Sent: Friday, March 18, 2016 10:35 AM

To: Daniel J. Malone; Dennis D. Dobbs

Cc: Lacey, Pam; Bylin, Carey

Subject: RE: Consumers Energy plans to join EPA Voluntary Methane Challenge

Email sent from outside of CMS/CE. Use caution before clicking links/attachments.

Absolutely!

We are very excited to hear of Consumers Energy's plans to join the program. Our updated Partnership Agreement is located [here](#) and on the Methane Challenge [website](#) (where the program's framework document, supplementary technical information document, and other key sources of information are located). We recently sent out a detailed email to all companies interested in joining the program, so I will provide the text of that email below. Please let me know if you have any further questions that are not answered here.

On behalf of the U.S. Environmental Protection Agency (EPA), I am pleased to hear of your interest in joining the Natural Gas STAR Methane Challenge Program as a founding partner. We will be officially launching this new program at the Global Methane Forum (GMF) at 10:00am on March 30, 2016 in Washington, D.C.

The launch event will be hosted by Janet McCabe, EPA's Acting Assistant Administrator for Air and Radiation. If you confirm your participation as a founding partner, we encourage you to attend this exciting event. We will recognize your company even if you are not able to participate in person. Please be aware of the following next steps:

- By March 23, please contact us (see contact information below) to confirm that you will be joining as a founding partner, and provide your signed Partnership Agreement.
- Provide us a short bio (approximately 75 words) describing your company, your commitments, and highlighting reasons for becoming a Methane Challenge partner.
- If your company plans to attend the Launch Event, provide the name, title, and contact information of the person who will be representing your company at the event and, if different, the contact information for the individual coordinating your company's participation at the event.
- Also, by March 23, please provide a link to your company's website as well as the specific way your company should be listed on the Methane Challenge Program website.

- Be sure to register for the GMF as soon as possible (<http://globalmethane.org/forum/>).

Please send the above information to myself and Elina Bouloubasis (elina.bouloubasis@erg.com). Once we receive confirmation of your participation, we will provide more specific details about the launch event agenda, which will include recognition of each partner and individual and group photos. Please note that due to time constraints, we do not anticipate that partner companies will be able to give individual remarks at the event.

As a new Methane Challenge Program partner, there are a few next steps to be aware of. Within six months after joining the Program, each partner must develop an Implementation Plan to provide details on their planned participation, such as anticipated rate of progress, key milestones, and other relevant context. See the following Guidelines document for more information about how to develop an Implementation Plan:

http://www3.epa.gov/gasstar/documents/MC_IP_Guidelines_Final.pdf.

We will also be working with partners as we develop the Program's reporting system, and will be seeking input and feedback in the coming months. Finally, in an effort to further highlight our partners' accomplishments, we aim to work with partners to develop "Fact Sheets" that cover notable historical actions taken in advance of the Methane Challenge Program in efforts to mitigate methane emissions.

We encourage you to attend the full GMF event that will offer high-level plenary sessions on cross-cutting issues such as project financing, joint Global Methane Initiative (GMI)-Climate & Clean Air Coalition (CCAC) discussions on projects and policy, and ample opportunities for networking with methane experts in the public and private sectors from around the world. A draft agenda is available at <http://globalmethane.org/forum/>. We hope you are able to attend and participate in the sessions.

Please feel free to contact me with any questions you may have about the Methane Challenge Partnership. Please contact Elina Bouloubasis (703-373-0149 or elina.bouloubasis@erg.com) with any questions about the launch event. Thank you again for your support of the Methane Challenge Program and we hope to see you at the launch event in Washington, D.C.

Respectfully,

Justin Pryor

Climate Change Division

U.S. Environmental Protection Agency

202-343-9258

From: Lacey, Pam [<mailto:PLacey@aga.org>]

Sent: Thursday, March 17, 2016 5:32 PM

To: Pryor, Justin <Pryor.Justin@epa.gov>

Cc: Daniel J. Malone <Daniel.Malone@cmsenergy.com>; Dennis D. Dobbs
<DENNIS.DOBBS@cmsenergy.com>

Subject: FW: Consumers Energy plans to join EPA Voluntary Methane Challenge

Justin – Would you please send Dan Malone and Dennis Dobbs at Consumers Energy the updated form of Partnership Agreement and the logistics for the March 30th event? As noted below, Consumers Energy plans to join as a Founding Member. Thank you! - Pam

Pamela A. Lacey | Chief Regulatory Counsel

Office of General Counsel

American Gas Association

400 N. Capitol St., NW | Washington, DC | 20001

P: 202-824-7340 | M: 202-809-6565 | F: 202-824-9190 | placey@aga.org

The American Gas Association represents more than 200 local energy companies committed to the safe and reliable delivery of clean natural gas to over 69 million customers throughout the nation.

From: Daniel J. Malone [<mailto:Daniel.Malone@cmsenergy.com>]
Sent: Thursday, March 17, 2016 5:14 PM
To: Lacey, Pam <PLacey@aga.org>; Sames, Christina <csames@aga.org>
Cc: John G. Russell <JOHN.RUSSELL@cmsenergy.com>; Patricia K. Poppe <patti.poppe@cmsenergy.com>; Dennis D. Dobbs <DENNIS.DOBBS@cmsenergy.com>; Garrick J. Rochow <GARRICK.ROCHOW@cmsenergy.com>; Mary P. Palkovich <Mary.Palkovich@cmsenergy.com>; Linda M. Hilbert <LINDA.HILBERT@cmsenergy.com>
Subject: EPA Voluntary Methane Challenge

Pam,

Consumers Energy will join the EPA Methane Challenge as a Founding Member. Please send information needed to formalize the pledge, and to the logistics of the event on March 30th to Dennis Dobbs and myself.

Thanks

Dan

To: Lacey, Pam[PLacey@aga.org]
Cc: Bylin, Carey[Bylin.Carey@epa.gov]; Rubin, Jake[JRubin@aga.org]; Traweek, Lori[LTraweek@aga.org]
From: Pryor, Justin
Sent: Tue 3/22/2016 4:24:07 PM
Subject: RE: Methane Challenge Launch Event

Hi Pam,

Hope the below helps, but again, let me know if there is anything further info you or the speakers might need.

With regard to the first three bulleted questions, I'll refer to the draft Event Agenda:

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mindful of timing for this, and hence are keeping the bios very short, but also need to balance the fact that individuals will be traveling for this and we want to give them appropriate recognition for participating.

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Respectfully,

Justin

Justin Pryor

Climate Change Division

U.S. Environmental Protection Agency

202-343-9258

From: Lacey, Pam [mailto:PLacey@aga.org]

Sent: Friday, March 18, 2016 5:11 PM

To: Pryor, Justin <Pryor.Justin@epa.gov>

Cc: Bylin, Carey <Bylin.Carey@epa.gov>; Rubin, Jake <JRubin@aga.org>; Traweek, Lori <LTraweek@aga.org>

Subject: RE: Methane Challenge Launch Event

Justin – Yes, Ralph LaRossa is definitely planning to attend and to give some remarks. We actually had interest from a second CEO, our Board First Vice Chair and CEO of ONE Gas Pierce Norton. But if we only have 5 minutes for AGA remarks, I think I should probably find out if he still wants to come to DC. I have copied Jake Rubin our communications director – as Jake will likely draft the remarks. He can figure out which portion would be for Mr. LaRossa and which for Ms. Traweck.

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●□□□□□□□□ How long do you plan for Air Administrator Janet McCabe to speak (and/or Administrator McCarthy if she drops in)?

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- Thoughts? Thanks! - Pam

Pamela A. Lacey | Chief Regulatory Counsel

Office of General Counsel

American Gas Association

400 N. Capitol St., NW | Washington, DC | 20001

P: 202-824-7340 | M: 202-809-6565 | F: 202-824-9190 | placey@aga.org

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From: Pryor, Justin [<mailto:Pryor.Justin@epa.gov>]
Sent: Friday, March 18, 2016 4:27 PM
To: Lacey, Pam <PLacey@aga.org>
Cc: Bylin, Carey <Bylin.Carey@epa.gov>
Subject: Methane Challenge Launch Event

Hi Pam,

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AGA is one of those bows! As previously discussed, we welcome some brief remarks from AGA during the event. Due to time constraints, we are looking to limit these remarks to a maximum of 5 minutes. As far as content goes, we would appreciate it if AGA could share the planned remarks with us prior to the event for our awareness (if possible, by March 23). Can you confirm that Ralph LaRossa and Lori Traweek are still planned to speak (or if the time constraint may make it difficult for both to speak)?

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10:40 AM - 10:45 AM Group Photo

Please do not distribute this draft agenda, as we intend to send a final, detailed version to all companies attending. Please let me know if you have any questions, and have a great weekend!

Respectfully,

Justin

Justin Pryor

Climate Change Division

U.S. Environmental Protection Agency

202-343-9258

To: Uphues, Wendy M[WMUphues@integrysgroup.com]
From: Pryor, Justin
Sent: Tue 3/22/2016 4:21:33 PM
Subject: RE: Methane Challenge Launch Event - Washington, DC

Absolutely. No need to rush the original if emailed.

From: Uphues, Wendy M [mailto:WMUphues@integrysgroup.com]
Sent: Tuesday, March 22, 2016 12:21 PM
To: Pryor, Justin <Pryor.Justin@epa.gov>
Subject: RE: Methane Challenge Launch Event - Washington, DC

For the Partnership Agreement are we able to email that? I can only see Standard and Overnight Mail and I believe it's due tomorrow.

From: Pryor, Justin [mailto:Pryor.Justin@epa.gov]
Sent: Tuesday, March 22, 2016 9:13 AM
To: Uphues, Wendy M
Subject: RE: Methane Challenge Launch Event - Washington, DC

WARNING: This email was sent from an external address. Exercise caution when opening links or attachments.

Hi Wendy, there is no requirement to stay for any other events beyond the Launch Event.

I spoke to my colleague who is organizing the GMF and she provided the following info regarding hotels in the area:

“We had a room block at the Marriott Key Bridge, as well – I believe we sold out of the room block there but I would double check. Maybe they could find something nearby the Marriott or perhaps in DuPont or Rosslyn as the Georgetown free shuttle leaves from both locations.

<http://www.marriott.com/hotels/hotel-photos/waskb-key-bridge-marriott/>

I hope this helps! Let me know if I can assist with anything else!

Respectfully,

Justin

Justin Pryor

Climate Change Division

U.S. Environmental Protection Agency

202-343-9258

From: Uphues, Wendy M [<mailto:WMUphues@integrysgroup.com>]
Sent: Tuesday, March 22, 2016 10:09 AM
To: Pryor, Justin <Pryor.Justin@epa.gov>
Subject: RE: Methane Challenge Launch Event - Washington, DC

Justin – Dave Lazzaro was wondering if he arrives at the airport at 9:00 on March 30 would he be able to leave after the launch event which is from 10:00-10:45 or does he need to stay for other events? If you are not the correct person to contact, can you let me know who I can ask? Thanks.

From: Pryor, Justin [<mailto:Pryor.Justin@epa.gov>]
Sent: Monday, March 21, 2016 3:40 PM
To: Uphues, Wendy M
Subject: Re: Methane Challenge Launch Event - Washington, DC

WARNING: This email was sent from an external address. Exercise caution when opening links or attachments.

Excellent, please let me know if you have any further questions.

Sent from my iPhone

On Mar 21, 2016, at 4:38 PM, Uphues, Wendy M <WMUphues@integrysgroup.com> wrote:

We did get the email on the next steps and the link to the website. Thanks.

From: Pryor, Justin [<mailto:Pryor.Justin@epa.gov>]

Sent: Monday, March 21, 2016 3:34 PM

To: Uphues, Wendy M

Subject: Re: Methane Challenge Launch Event - Washington, DC

WARNING: This email was sent from an external address. Exercise caution when opening links or attachments.

Hi Wendy, I can reach out to those who are organizing the Global Methane Forum overall to see about other hotels in the area. I have heard that they are pretty full so I recommend booking something if you find it, but I will get back to you tomorrow. With regard to time, the launch event starts at 10am and ends at 10:45 on the 30th. There is a detailed schedule of events on the GMF website, to include the launch event. Please let me know if you got our email the other day that provided next steps and the link to that website. If not I will get that info out to you as soon as I get home (commuting currently).

Respectfully,

Justin Pryor

Sent from my iPhone

On Mar 21, 2016, at 4:20 PM, Uphues, Wendy M <WMUphues@integrysgroup.com> wrote:

Justin – The Georgetown University Hotel is booked. Do you have a recommendation on other hotels?

From: Uphues, Wendy M
Sent: Monday, March 21, 2016 3:15 PM
To: 'Pryor,Justin@epa.gov'
Subject: FW: Methane Challenge Launch Event - Washington, DC

Justin – Can you let me know what the times are that Dave needs to be in DC?

Wendy Uphues

Peoples Gas

(312) 240-4805

wmuphues@integrysgroup.com

From: Lazzaro, David J
Sent: Monday, March 21, 2016 2:50 PM
To: Uphues, Wendy M
Subject: FW: Methane Challenge Launch Event - Washington, DC

fyi

David J. Lazzaro

Director of Engineering | Peoples Gas

312-240-4748 *office*

312-446-7651 *cell*

djlazzaro@peoplesgasdelivery.com

From: Rodriguez, Lisa A
Sent: Monday, March 21, 2016 1:46 PM
To: 'Pryor.Justin@epa.gov'
Cc: Hesselbach, Andrew J; Lazzaro, David J; DeMasters, Darnell; Greco, Bob; Danihel, Donna; McCarty, Matthew G
Subject: RE: Methane Challenge Launch Event - Washington, DC

Justin,

Dave Lazzaro, Director of Engineering, Peoples Gas, will be attending the EPA Methane Challenge Launch Event , March, 30, 2016, in Washington, DC.

Please feel free to send related correspondence for the event directly to Dave.

Thank you,

Lisa Rodriguez

Sr. Administrative Assistant to

Andy Hesselbach, VP - Construction

Office of the President

Peoples Gas/North Shore Gas

☎ 312 240-4705

☎ 815 409-8673 cell

✉ larodriguez@integrysgroup.com

From: Pryor, Justin [mailto:Pryor.Justin@epa.gov]
Sent: Friday, March 11, 2016 7:24 PM
To: Hesselbach, Andrew J
Cc: Greco, Bob; Danihel, Donna; McCarty, Matthew G; Rodriguez, Lisa A; Bylin, Carey
Subject: RE: Methane Challenge

WARNING: This email was sent from an external address. Exercise caution when opening links or attachments.

Hi Andrew,

This is great news! Thank you for letting us know. We will be following up with additional details specific to your company's participation in the launch event, pending your final confirmation. Please note that we have recently revised our Partnership Agreement on the web to allow for modification of the source commitment table if needed:

https://www3.epa.gov/gasstar/documents/MC_Partnership_Agreement_Final.pdf.
Currently the Partnership Agreement only includes a mailing address, but you can send a scanned copy of the Partnership Agreement to me via e-mail if that is preferable.

We look forward to working with you on the Methane Challenge Program.

Respectfully,

Justin Pryor

Climate Change Division

U.S. Environmental Protection Agency

202-343-9258

From: Hesselbach, Andrew J [<mailto:AJHesselbach@peoplesgasdelivery.com>]
Sent: Friday, March 11, 2016 2:24 PM
To: Pryor, Justin <Pryor.Justin@epa.gov>
Cc: Greco, Bob <Bob.Greco@we-energies.com>; Danihel, Donna <Donna.Danihel@we-energies.com>; McCarty, Matthew G <MGMcCarty@integrysgroup.com>; 'placey@aga.org' <placey@aga.org>; Hesselbach, Andrew J <AJHesselbach@peoplesgasdelivery.com>; Rodriguez, Lisa A <LARodriguez@integrysgroup.com>
Subject: Methane Challenge

Justin,

WEC Energy Group appreciates the opportunity to participate in this program and are notifying you that Peoples Gas is planning on joining as a Founding Partner of the Methane Challenge. We look forward to additional information and communications as we move forward. We will be in contact with you on who we are sending to the signing ceremony.

Thank you,

Andrew J. Hesselbach

Vice President, Construction

Peoples Gas

(312) 240-5311

To: Lockhart, Eileen P[Patricia.E.Lockhart@xcelenergy.com]
From: Pryor, Justin
Sent: Tue 3/22/2016 2:43:49 PM
Subject: RE: Natural Gas STAR Methane Challenge Program

Hi Eileen,

You reached the right person (at least one of us). We are very excited to receive this and we will be getting back to you with some next steps very soon!

Thank you, again, and we look forward to our new partnership!

Respectfully,

Justin Pryor

Climate Change Division

U.S. Environmental Protection Agency

202-343-9258

From: Lockhart, Eileen P [mailto:Patricia.E.Lockhart@xcelenergy.com]
Sent: Monday, March 21, 2016 4:09 PM
To: Pryor, Justin <Pryor.Justin@epa.gov>
Subject: Natural Gas STAR Methane Challenge Program

Hi Justin,

Attached is Xcel Energy's BMP commitment for the Natural Gas STAR Methane Challenge.

Please let me know if I routed this to the wrong person.

Thank you!

Eileen Lockhart

Xcel Energy | Responsible By Nature

Assistant to Cheryl Campbell, Sr. Vice President, Gas

1800 Larimer Street, Denver, CO 80202

P: 303-571-7510 C: (b)(6) personal privacy

E: patricia.e.lockhart@xcelenergy.com

XCELENERGY.COM

Please consider the environment before printing this email

To: Uphues, Wendy M[WMUphues@integrysgroup.com]
From: Pryor, Justin
Sent: Tue 3/22/2016 2:13:07 PM
Subject: RE: Methane Challenge Launch Event - Washington, DC

Hi Wendy, there is no requirement to stay for any other events beyond the Launch Event.

I spoke to my colleague who is organizing the GMF and she provided the following info regarding hotels in the area:

“We had a room block at the Marriott Key Bridge, as well – I believe we sold out of the room block there but I would double check. Maybe they could find something nearby the Marriott or perhaps in DuPont or Rosslyn as the Georgetown free shuttle leaves from both locations.

<http://www.marriott.com/hotels/hotel-photos/waskb-key-bridge-marriott/>

I hope this helps! Let me know if I can assist with anything else!

Respectfully,

Justin

Justin Pryor

Climate Change Division

U.S. Environmental Protection Agency

202-343-9258

From: Uphues, Wendy M [mailto:WMUphues@integrysgroup.com]
Sent: Tuesday, March 22, 2016 10:09 AM
To: Pryor, Justin <Pryor.Justin@epa.gov>
Subject: RE: Methane Challenge Launch Event - Washington, DC

Justin – Dave Lazzaro was wondering if he arrives at the airport at 9:00 on March 30 would he be able to leave after the launch event which is from 10:00-10:45 or does he need to stay for other events? If you are not the correct person to contact, can you let me know who I can ask? Thanks.

From: Pryor, Justin [mailto:Pryor.Justin@epa.gov]
Sent: Monday, March 21, 2016 3:40 PM
To: Uphues, Wendy M
Subject: Re: Methane Challenge Launch Event - Washington, DC

WARNING: This email was sent from an external address. Exercise caution when opening links or attachments.

Excellent, please let me know if you have any further questions.

Sent from my iPhone

On Mar 21, 2016, at 4:38 PM, Uphues, Wendy M <WMUphues@integrysgroup.com> wrote:

We did get the email on the next steps and the link to the website. Thanks.

From: Pryor, Justin [mailto:Pryor.Justin@epa.gov]
Sent: Monday, March 21, 2016 3:34 PM
To: Uphues, Wendy M
Subject: Re: Methane Challenge Launch Event - Washington, DC

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Hi Wendy, I can reach out to those who are organizing the Global Methane Forum overall to see about other hotels in the area. I have heard that they are pretty full so I recommend booking something if you find it, but I will get back to you tomorrow. With regard to time, the launch event starts at 10am and ends at 10:45 on the 30th. There is a detailed schedule of events on the GMF website, to include the launch event. Please let me know if you got our email the other day that provided next steps and the link to that website. If not I will get that info out to you as soon as I get home (commuting currently).

Respectfully,

Justin Pryor

Sent from my iPhone

On Mar 21, 2016, at 4:20 PM, Uphues, Wendy M <WMUphues@integrysgroup.com> wrote:

Justin – The Georgetown University Hotel is booked. Do you have a recommendation on other hotels?

From: Uphues, Wendy M
Sent: Monday, March 21, 2016 3:15 PM
To: 'Pryor, Justin@epa.gov'
Subject: FW: Methane Challenge Launch Event - Washington, DC

Justin – Can you let me know what the times are that Dave needs to be in DC?

Wendy Uphues

Peoples Gas

(312) 240-4805

wmuphues@integrysgroup.com

From: Lazzaro, David J
Sent: Monday, March 21, 2016 2:50 PM
To: Uphues, Wendy M
Subject: FW: Methane Challenge Launch Event - Washington, DC

fyi

David J. Lazzaro

Director of Engineering | Peoples Gas

312-240-4748 *office*

312-446-7651 *cell*

djlazzaro@peoplesgasdelivery.com

From: Rodriguez, Lisa A
Sent: Monday, March 21, 2016 1:46 PM
To: 'Pryor.Justin@epa.gov'
Cc: Hesselbach, Andrew J; Lazzaro, David J; DeMasters, Darnell; Greco, Bob; Danihel, Donna; McCarty, Matthew G
Subject: RE: Methane Challenge Launch Event - Washington, DC

Justin,

Dave Lazzaro, Director of Engineering, Peoples Gas, will be attending the EPA Methane Challenge Launch Event , March, 30, 2016, in Washington, DC.

Please feel free to send related correspondence for the event directly to Dave.

Thank you,

Lisa Rodriguez

Sr. Administrative Assistant to
Andy Hesselbach, VP - Construction
Office of the President
Peoples Gas/North Shore Gas

☎ 312 240-4705

☎ (b)(6) personal privacy cell

✉ larodriguez@integrysgroup.com

From: Pryor, Justin [<mailto:Pryor.Justin@epa.gov>]
Sent: Friday, March 11, 2016 7:24 PM
To: Hesselbach, Andrew J
Cc: Greco, Bob; Danihel, Donna; McCarty, Matthew G; Rodriguez, Lisa A; Bylin, Carey
Subject: RE: Methane Challenge

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Hi Andrew,

This is great news! Thank you for letting us know. We will be following up with additional details specific to your company's participation in the launch event, pending your final confirmation. Please note that we have recently revised our Partnership Agreement on the web to allow for modification of the source commitment table if needed:

https://www3.epa.gov/gasstar/documents/MC_Partnership_Agreement_Final.pdf.
Currently the Partnership Agreement only includes a mailing address, but you can send a scanned copy of the Partnership Agreement to me via e-mail if that is preferable.

We look forward to working with you on the Methane Challenge Program.

Respectfully,

Justin Pryor

Climate Change Division

U.S. Environmental Protection Agency

202-343-9258

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Sent: Friday, March 11, 2016 2:24 PM
To: Pryor, Justin <Pryor.Justin@epa.gov>
Cc: Greco, Bob <Bob.Greco@we-energies.com>; Danihel, Donna <Donna.Danihel@we-energies.com>; McCarty, Matthew G <MGMcCarty@integrysgroup.com>; 'placey@aga.org' <placey@aga.org>; Hesselbach, Andrew J <AJHesselbach@peoplesgasdelivery.com>; Rodriguez, Lisa A <LARodriguez@integrysgroup.com>
Subject: Methane Challenge

Justin,

WEC Energy Group appreciates the opportunity to participate in this program and are notifying you that Peoples Gas is planning on joining as a Founding Partner of the Methane Challenge. We look forward to additional information and communications as we move forward. We will be in contact with you on who we are sending to the

signing ceremony.

Thank you,

Andrew J. Hesselbach

Vice President, Construction

Peoples Gas

(312) 240-5311

To: Uphues, Wendy M[WMUphues@integrysgroup.com]
From: Pryor, Justin
Sent: Mon 3/21/2016 8:40:12 PM
Subject: Re: Methane Challenge Launch Event - Washington, DC

Excellent, please let me know if you have any further questions.

Sent from my iPhone

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We did get the email on the next steps and the link to the website. Thanks.

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Justin – Can you let me know what the times are that Dave needs to be in DC?

Wendy Uphues

Peoples Gas

(312) 240-4805

wmuphues@integrysgroup.com

From: Lazzaro, David J
Sent: Monday, March 21, 2016 2:50 PM
To: Uphues, Wendy M
Subject: FW: Methane Challenge Launch Event - Washington, DC

fyi

David J. Lazzaro

Director of Engineering | Peoples Gas

312-240-4748 *office*

312-446-7651 *cell*

djlazzaro@peoplesgasdelivery.com

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Sent: Monday, March 21, 2016 1:46 PM
To: 'Pryor.Justin@epa.gov'
Cc: Hesselbach, Andrew J; Lazzaro, David J; DeMasters, Darnell; Greco, Bob; Danihel, Donna; McCarty, Matthew G
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Thank you,

Lisa Rodriguez

Sr. Administrative Assistant to

Andy Hesselbach, VP - Construction

Office of the President

Peoples Gas/North Shore Gas

☎ 312 240-4705

☎ (b)(6) personal privacy cell

✉ larodriguez@integrysgroup.com

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Sent: Friday, March 11, 2016 7:24 PM
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Subject: RE: Methane Challenge

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Climate Change Division

U.S. Environmental Protection Agency

202-343-9258

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Sent: Friday, March 11, 2016 2:24 PM
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Cc: Greco, Bob <Bob.Greco@we-energies.com>; Danihel, Donna <Donna.Danihel@we-energies.com>; McCarty, Matthew G <MGMcCarty@integrysgroup.com>; 'placey@aga.org' <placey@aga.org>; Hesselbach, Andrew J <AJHesselbach@peoplesgasdelivery.com>; Rodriguez, Lisa A <LARodriguez@integrysgroup.com>
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Thank you,

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Vice President, Construction

Peoples Gas

(312) 240-5311

To: Uphues, Wendy M[WMUphues@integrysgroup.com]
From: Pryor, Justin
Sent: Mon 3/21/2016 8:34:17 PM
Subject: Re: Methane Challenge Launch Event - Washington, DC

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Justin Pryor

Climate Change Division

U.S. Environmental Protection Agency

202-343-9258

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Sent: Friday, March 11, 2016 2:24 PM

To: Pryor, Justin <Pryor.Justin@epa.gov>

Cc: Greco, Bob <Bob.Greco@we-energies.com>; Danihel, Donna <Donna.Danihel@we-energies.com>; McCarty, Matthew G <MGMcCarty@integrysgroup.com>;

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<LARodriguez@integrysgroup.com>

Subject: Methane Challenge

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Thank you,

Andrew J. Hesselbach

Vice President, Construction

Peoples Gas

(312) 240-5311

To: Beck, Elizabeth A. [Ebeck@Vectren.com]
From: Pryor, Justin
Sent: Mon 3/21/2016 3:40:38 PM
Subject: RE: Founding Partner Deadlines

Your implementation plan doesn't necessarily need to be submitted by the start date, just within 6 months of signing the Partnership Agreement. Your internal data collection to track your commitment progress, however, should begin upon your start date (to be submitted to EPA most likely next Spring).

R,

Justin

-----Original Message-----

From: Beck, Elizabeth A. [mailto:Ebeck@Vectren.com]
Sent: Monday, March 21, 2016 11:26 AM
To: Pryor, Justin <Pryor.Justin@epa.gov>
Subject: RE: Founding Partner Deadlines

Thank you. So the start date would be when we expect to complete our implementation plan and begin collecting data?

-----Original Message-----

From: Pryor, Justin [mailto:Pryor.Justin@epa.gov]
Sent: Monday, March 21, 2016 9:58 AM
To: Beck, Elizabeth A.
Cc: Bylin, Carey
Subject: RE: Founding Partner Deadlines

Hi Elizabeth,

The start date does not need to coincide with the signing date of the Partnership Agreement . You may set it for April 1, or anytime between now and 6 months from joining the Program. As for the achievement year, you would fill in 5 years from your starting year (2021; no need to specify the year you will be reporting on 2021's activities). Finally, the Implementation Manager does not need to be an executive, but someone that would serve as the contact point concerning implementation of the Methane Challenge Program.

Hope this helps! Feel free to contact me with any other questions.

Respectfully,

Justin

Justin Pryor
Climate Change Division
U.S. Environmental Protection Agency
202-343-9258

-----Original Message-----

From: Beck, Elizabeth A. [mailto:Ebeck@Vectren.com]
Sent: Monday, March 21, 2016 10:41 AM
To: Bylin, Carey <Bylin.Carey@epa.gov>
Cc: Pryor, Justin <Pryor.Justin@epa.gov>

Subject: RE: Founding Partner Deadlines

I'm working on the final paper work for the BMP commitment and have a few final quick questions.

- Start date - Does this need to coincide with the signing date of the BMP agreement or can we set it at the beginning of April 1st to keep our implementation dates at the beginning of a month?

- Achievement year - If we are going out 5 years, would we fill in that blank with 2021 for achievement, but the reporting year for that would be 2022?

- Implementation Manager - does that need to be an executive or can it be someone at the Manager/Director level?

Thanks!
Elizabeth Beck

-----Original Message-----

From: Bylin, Carey [mailto:Bylin.Carey@epa.gov]
Sent: Wednesday, March 16, 2016 11:34 AM
To: Beck, Elizabeth A.
Cc: Pryor, Justin
Subject: RE: Founding Partner Deadlines

Hi Elizabeth,

Thank you for following up on this, and great to hear that joining as a founding partner is still an option. As you mention, you will just need to confirm with us by the 23rd (should we count this as your confirmation?). We can be a bit flexible on receiving the Partnership Agreement, since we understand that these can take time, but would still like to receive that by the 28th or 29th.

Also, for your reference, we will be sending a letter out today with more details about the launch and steps leading up to the launch.

We look forward to a continued collaboration with you on this.

Ms. Carey Bylin
International Programs Leader, Oil and Gas Natural Gas STAR Program Global Methane Initiative U.S.
Environmental Protection Agency
Phone: +1-202-343-9669

Visiting Address & Private Deliveries (courier, FedEx etc.)
1201 Constitution Ave NW, Room Number 4353 UU, Washington DC 20004

U.S. Mail Address:
Mail Code 6207M, 1200 Pennsylvania Ave NW, Washington DC 20460

-----Original Message-----

From: Beck, Elizabeth A. [mailto:Ebeck@Vectren.com]
Sent: Wednesday, March 16, 2016 11:31 AM
To: Bylin, Carey <Bylin.Carey@epa.gov>
Subject: Founding Partner Deadlines

Carey,

Thanks for taking the time to speak with our engineers. I know we went way over time, but I think our engineers have the info they need. We have to rerun all of our mileage numbers and send the replacement rates back through senior management after the clarifications. I also have to pull in another VP to review the clarifications on excavation damages to see if we can report all of the I of asked for on all damages and not just those with leaks. I think Justin was also working on some clarifications on those for us. With the 23rd approaching, what do we need to have in place to be a founding partner. My VP is still planning on being there for the 30th launch, but we are a bit behind on calculations. Can we have our intent of commitment to you in email by the 23rd or is that the hard deadline for final founding signing. The final commitment will have to clear legal and that adds time. I'm at a conference this week and unable to stand over people's shoulders to press on this also. Any guidance is much appreciated.

Thanks,
Elizabeth Beck
Vectren

This message (including any attachments) is intended only for the use of the individual or entity to which it is addressed and may contain information that is non-public, proprietary, privileged, confidential, and exempt from disclosure under applicable law or may constitute as attorney work product. If you are not the intended recipient, you are hereby notified that any use, dissemination, distribution, or copying of this communication is strictly prohibited. If you have received this communication in error, notify us immediately by telephone and (i) destroy this message if a facsimile or (ii) delete this message immediately if this is an electronic communication. Thank you.

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To: Butcher, Callee (Kern River)[Callee.Butcher@kernrivergas.com]
From: Pryor, Justin
Sent: Thur 3/17/2016 6:56:57 PM
Subject: RE: Methane Challenge Questions

Ha, sorry Callee, that was meant for Carey! If she hasn't called you yet, I certainly will!

My apologies!

From: Pryor, Justin
Sent: Thursday, March 17, 2016 2:56 PM
To: 'Butcher, Callee (Kern River)' <Callee.Butcher@kernrivergas.com>
Subject: RE: Methane Challenge Questions

I can call if you haven't already

From: Butcher, Callee (Kern River) [<mailto:Callee.Butcher@kernrivergas.com>]
Sent: Thursday, March 17, 2016 2:53 PM
To: Bylin, Carey <Bylin.Carey@epa.gov>; Pryor, Justin <Pryor.Justin@epa.gov>
Subject: Methane Challenge Questions

Carey/Justin,

Kern River and Northern Natural have just a few quick questions regarding the Methane Challenge Program. If either of you could give me a call at your earliest convenience, it would be appreciated.

Thank you,

Callee Butcher

Manager, Land & Environment

Kern River Gas Transmission

2755 E. Cottonwood Parkway, Suite 300

Salt Lake City, UT 84121

801-937-6056 (office)

801-518-3342 (cell)

callee.butcher@kernrivergas.com

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From: Pryor, Justin
Sent: Thur 3/17/2016 6:56:09 PM
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Thank you,

Callee Butcher

Manager, Land & Environment

Kern River Gas Transmission

2755 E. Cottonwood Parkway, Suite 300

Salt Lake City, UT 84121

801-937-6056 (office)

801-518-3342 (cell)

callee.butcher@kernriversgas.com

To: Ihle, Jack[Jack.Ihle@xcelenergy.com]
From: Pryor, Justin
Sent: Wed 3/16/2016 11:49:09 AM
Subject: RE: Xcel Energy preliminary intention to join Methane Challenge as a Founding Partner

Hi Jack,

We would be extremely happy to have you or anyone else at any level of the company to represent Xcel Energy at our launch event. I recommend registering as soon as you can for the Global Methane Forum (launch event will be on March 30), at <http://www.globalmethane.org/forum/registration.html>. I hear hotels are filling up quickly.

Again, thank you for your interest and we look forward to your partnership in the Methane Challenge Program.

Respectfully,

Justin

Justin Pryor

Climate Change Division

U.S. Environmental Protection Agency

202-343-9258

From: Ihle, Jack [mailto:Jack.Ihle@xcelenergy.com]
Sent: Tuesday, March 15, 2016 4:01 PM
To: Pryor, Justin <Pryor.Justin@epa.gov>

Subject: RE: Xcel Energy preliminary intention to join Methane Challenge as a Founding Partner

Hi Justin,

We're deciding who from Xcel Energy should attend the methane launch event. Our Policy VP, and our gas SVP, are not available. I could be available to go but just wanted to check to see if a humble Director (me) would be well-received at the launch event. I would mention that I do regularly work with fairly high-level EPA staff such as Joe Goffman, and have met Janet McCabe before as well.

Your honest input would be much appreciated to help us decide and get our plans made.

Best,

Jack Ihle

Xcel Energy | Responsible By Nature

Director, Environmental Policy & Emerging Technology

1800 Larimer Street, 13th Floor Denver, CO 80202

P: 303.294.2262 F: 303.308.7691

E: jack.ihle@xcelenergy.com

XCELENERGY.COM

From: Pryor, Justin [<mailto:Pryor.Justin@epa.gov>]
Sent: Monday, March 14, 2016 6:53 AM
To: Ihle, Jack
Cc: Campbell, Cheryl F; Zich, Joni H; West, Jeffrey L; Bylin, Carey
Subject: RE: Xcel Energy preliminary intention to join Methane Challenge as a Founding Partner

XCEL ENERGY SECURITY NOTICE: This email originated from an external sender. Exercise caution before clicking on any links or attachments and consider whether you know the sender. For more information please visit the Phishing page on XpressNET.

Hi Jack,

This is great news! Thank you for letting us know. We will be following up with additional details specific to your company's participation in the launch event, pending your final confirmation. Please note that we have recently revised our Partnership Agreement on the web to allow for modification of the source commitment table if needed:
https://www3.epa.gov/gasstar/documents/MC_Partnership_Agreement_Final.pdf. Currently the Partnership Agreement only includes a mailing address, but you can send a scanned copy of the Partnership Agreement to me via e-mail if that is preferable.

We look forward to working with you on the Methane Challenge Program.

Respectfully,

Justin Pryor

Climate Change Division

U.S. Environmental Protection Agency

202-343-9258

From: Ihle, Jack [<mailto:Jack.Ihle@xcelenergy.com>]
Sent: Friday, March 11, 2016 7:14 PM
To: Pryor, Justin <Pryor.Justin@epa.gov>
Cc: Campbell, Cheryl F <cheryl.f.campbell@xcelenergy.com>; Zich, Joni H <joni.h.zich@xcelenergy.com>; West, Jeffrey L <jeffrey.l.west@xcelenergy.com>
Subject: Xcel Energy preliminary intention to join Methane Challenge as a Founding Partner

Dear Mr. Pryor,

Xcel Energy is considering joining Methane Challenge as a Founding Partner. We plan to follow the steps outlined in the 1-page document “How to Join EPA’s Voluntary Methane Challenge as a Founding Partner.” We are likely to send a representative to attend the launch event on March 30, but are still deciding who will represent the Company.

Please let us know if there is more information to consider at this point, and thank you for the opportunity to participate.

Best,

Jack Ihle

Xcel Energy | Responsible By Nature

Director, Environmental Policy & Emerging Technology

1800 Larimer Street, 13th Floor Denver, CO 80202

P: 303.294.2262 F: 303.308.7691

E: jack.ihle@xcelenergy.com

To: German, Keith[Keith.C.German@peoples-gas.com]
From: Pryor, Justin
Sent: Mon 3/14/2016 7:47:09 PM
Subject: RE: Methane Challenge notification of intent to be a founding Partner, and some questions

Hi Keith,

Thank you for letting me know. Please note that we have recently revised our Partnership Agreement on the web to allow for modification of the source commitment table if needed: https://www3.epa.gov/gasstar/documents/MC_Partnership_Agreement_Final.pdf. Currently the Partnership Agreement only includes a mailing address, but you can send a scanned copy of the signed Partnership Agreement to me via e-mail if that is preferable.

The content of the agreement hasn't changed at all, but if you were to select different commitments for each LDC, then you would opt to use our new "Appendix A: Commitment Table" (linked in the new Partnership Agreement), but it seems that Peoples Natural Gas is looking to submit a single commitment rate, so the linked document above should suffice for your purposes.

We look forward to working with you on the Methane Challenge Program, and if you are considering attending the Program Launch Event at the Global Methane Forum on March 30, please register at <http://www.globalmethane.org/forum/registration.html>.

Thanks, again, and if you have any additional questions please feel free to call or email.

Respectfully,

Justin

Justin Pryor

Climate Change Division

U.S. Environmental Protection Agency

202-343-9258

From: German, Keith [mailto:Keith.C.German@peoples-gas.com]
Sent: Monday, March 14, 2016 10:58 AM
To: Pryor, Justin <Pryor.Justin@epa.gov>
Subject: FW: Methane Challenge notification of intent to be a founding Partner, and some questions

This is to let you know that Peoples natural Gas LLC. intends to be a Founding Partner in the Methane Challenge program. The initial notice of intent was sent to Carey Bylin on March 7, 2016. This email is a copy of the previous notice of intent for your records. If you have any questions please contact me using the contact information at the end of this email.

Thank you

From: German, Keith
Sent: Monday, March 07, 2016 2:55 PM
To: bylin.carey@epa.gov
Subject: Methane Challenge notification of intent to be a founding Partner, and some questions

Dear Ms. Bylin,

Peoples Natural Gas, LLC (PNG) is considering joining the Methane Challenge Program as a founding Partner at a parent company/corporate level (a single commitment for multiple LDCs) for replacement or retirement of cast iron and unprotected steel mains. We do have some questions.

Is the attached draft agreement the proper way to indicate this?

What is the meaning of commitment start date? If PNG is to commit to a replacement rate, does that mean we would have to replace 1.5% (the commitment rate based on the Methane Challenge table) after the commitment start date or would we use the entire 2016 year replacement and retirement numbers? What is expected on the start date?

I want to be sure of what the commitments will be prior to enrolling.

Thank you.

Keith German

Sr. Environmental Engineer

Peoples Natural Gas Company

1201 Pitt Street

Pittsburgh, PA 15221

(412) 473-4136 Office

(412) 328-9133 Cell

E-mail: Keith.C.German@Peoples-Gas.com

To: Michael Rose[Michael.Rose@kub.org]
From: Pryor, Justin
Sent: Fri 3/11/2016 6:58:06 PM
Subject: RE: KUB Interest in the Methane Challenge Program

Excellent, I'll probably give you a call at about 5-10 after.

-----Original Message-----

From: Michael Rose [mailto:Michael.Rose@kub.org]
Sent: Friday, March 11, 2016 1:48 PM
To: Pryor, Justin <Pryor.Justin@epa.gov>
Subject: RE: KUB Interest in the Methane Challenge Program

Yes I am finishing up a call as well. Should be at my desk at 2pm.
Michael.Rose@kub.org, Regulatory Specialist, Knoxville Utilities Board
4505 Middlebrook Pike Knoxville TN 37921-5599
(865) 558-2734
www.kub.org, Your Source for Energy and Water Services

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-----"Pryor, Justin" <Pryor.Justin@epa.gov> wrote: -----

=====

To: Michael Rose <Michael.Rose@kub.org>
From: "Pryor, Justin" <Pryor.Justin@epa.gov>
Date: 03/11/2016 01:43PM
Subject: RE: KUB Interest in the Methane Challenge Program =====
Hi Michael,

I sincerely apologize missing every one of your calls. I swear it is just bad luck. I am on another call at the moment (and was earlier when you called). Will you be available in about 15-30 mins for a callback?

Justin

From: Michael Rose [mailto:Michael.Rose@kub.org]
Sent: Friday, March 11, 2016 10:24 AM
To: Pryor, Justin <Pryor.Justin@epa.gov>
Subject: KUB Interest in the Methane Challenge Program

Justin

Thank you for the return voice mail and I left you another voice mail, but I thought that email might be a better way to catch up with you. KUB, a local gas distributor is interested in enrolling in the challenge, but I had a couple questions that I wanted to pass by you. A couple are pretty easy, such as the proper form for enrollment (looks like there is a MOU form, but that may not apply to this program) and the implementation plan agreement form. We wanted to ensure that we had the correct forms targeted.

Also I have a couple questions on the BMP options that I wanted to pass by you as well. Probably questions that you have answered before, but we wanted to make sure we understood the options available.

When you get the chance, please give me a call at the number below.

Thanks.

Michael.Rose@kub.org<mailto:Michael.Rose@kub.org> | Regulatory Specialist | Knoxville Utilities Board
4505 Middlebrook Pike | Knoxville TN 37921-5599
(865) 558-2734
www.kub.org Your Source for Energy and Water Services

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To: Michael Rose[Michael.Rose@kub.org]
From: Pryor, Justin
Sent: Fri 3/11/2016 6:42:16 PM
Subject: RE: KUB Interest in the Methane Challenge Program

Hi Michael,

I sincerely apologize missing every one of your calls. I swear it is just bad luck. I am on another call at the moment (and was earlier when you called). Will you be available in about 15-30 mins for a callback?

Justin

From: Michael Rose [mailto:Michael.Rose@kub.org]
Sent: Friday, March 11, 2016 10:24 AM
To: Pryor, Justin <Pryor.Justin@epa.gov>
Subject: KUB Interest in the Methane Challenge Program

Justin

Thank you for the return voice mail and I left you another voice mail, but I thought that email might be a better way to catch up with you. KUB, a local gas distributor is interested in enrolling in the challenge, but I had a couple questions that I wanted to pass by you. A couple are pretty easy, such as the proper form for enrollment (looks like there is a MOU form, but that may not apply to this program) and the implementation plan agreement form. We wanted to ensure that we had the correct forms targeted.

Also I have a couple questions on the BMP options that I wanted to pass by you as well. Probably questions that you have answered before, but we wanted to make sure we understood the options available.

When you get the chance, please give me a call at the number below.

Thanks.

Michael.Rose@kub.org | Regulatory Specialist | Knoxville Utilities Board
4505 Middlebrook Pike | Knoxville TN 37921-5599
(865) 558-2734
www.kub.org Your Source for Energy and Water Services

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original message and any copies. Thank you.

To: GREENE, MICHAEL B[MGREENE@scana.com]
From: Pryor, Justin
Sent: Fri 3/11/2016 1:05:59 PM
Subject: RE: EPA Voluntary Methane Challenge - Opportunity to Join as a Founding Partner

Excellent. Will give you a call at 1:30.

Justin

From: GREENE, MICHAEL B [mailto:MGREENE@scana.com]
Sent: Friday, March 11, 2016 7:57 AM
To: Pryor, Justin <Pryor.Justin@epa.gov>
Subject: RE: EPA Voluntary Methane Challenge - Opportunity to Join as a Founding Partner

I am available at 1:30 today, I will block some time out...my contact phone (direct line) is 803-217-9191. Thanks, Mike

From: Pryor, Justin [mailto:Pryor.Justin@epa.gov]
Sent: Thursday, March 10, 2016 3:43 PM
To: GREENE, MICHAEL B <MGREENE@scana.com>
Cc: Bylin, Carey <Bylin.Carey@epa.gov>
Subject: RE: EPA Voluntary Methane Challenge - Opportunity to Join as a Founding Partner

***This is an EXTERNAL email. Please do not click on a link or open any attachments unless you are confident it is from a trusted source.

Good Afternoon Mike,

I apologize for the delayed response to your email. Would you be available for a call to discuss this topic with us sometime tomorrow? Possibly either at 11:00AM, or anytime between 1:30 - 3:30PM?

Thank you for your consideration in the Methane Challenge Program, and I hope we can get your questions answered to your satisfaction as soon as possible!

Respectfully,

Justin Pryor

Climate Change Division

U.S. Environmental Protection Agency

202-343-9258

From: GREENE, MICHAEL B [<mailto:MGREENE@scana.com>]

Sent: Friday, February 26, 2016 12:24 PM

To: Bylin, Carey <Bylin.Carey@epa.gov>

Subject: FW: EPA Voluntary Methane Challenge - Opportunity to Join as a Founding Partner

Carey, Pam Lacey with AGA directed my question to you regarding the Voluntary Methane Challenge. My question is as follows:

I'm reviewing the program based on an email and interest from our Senior Vice President. SCANA has eliminated all cast iron and unprotected bare steel so we can't participate on that basis. Our best option to participate would be based on excavation damages as we are already collecting most of that data with the exception that we do not perform class location studies of our distribution systems. However, we do have data on population densities around our facilities if that is or could be an option to collecting and reporting by class location. Implementing and maintaining a class location study would require some major process work, new data maintenance, and frankly significant expense for this purpose. So I was hoping to find someone

to address a tactical question to, such as is there any flexibility to collect and report the consequence aspects of excavation damage data with data sets other than class locations – again population/census data as an example? Thanks for any insight or even a referral on to someone else who may be able to assist.

Mike Greene, PE

General Manager

Engineering Services

SCANA

803-217-9191

mgreene@scana.com

From: McCurdy, Dave [<mailto:DMcCurdy@aga.org>]

Sent: Tuesday, February 23, 2016 12:10 PM

To: AGA Members <AGAMembers@aga.org>

Subject: EPA Voluntary Methane Challenge - Opportunity to Join as a Founding Partner

***This is an EXTERNAL email. Please do not click on a link or open any attachments unless you are confident it is from a trusted source.

February 23, 2016

TO: AGA Board of Directors and Member Delegates

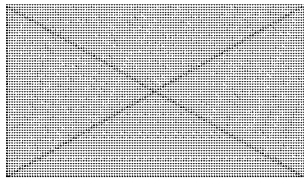
RE: Opportunity to Join EPA Voluntary Methane Challenge as Founding Partner

At the recent AGA Board of Directors Meeting on February 17, we reported that EPA plans to launch its voluntary Methane Challenge program at the end of March in Washington, D.C. I am writing to ensure that all AGA member companies are aware of the opportunity to participate in this event as a “Founding Partner” at 10 a.m. on Wednesday, March 30, 2016 at EPA’s Global

Methane Forum in Washington. EPA will soon provide additional details and will confirm whether EPA Administrator Gina McCarthy or Janet McCabe, EPA Assistant Administrator for Air and Radiation, will preside at the ceremony. Please note that companies that are not ready to join as “Founding Partners” on March 30 may join at any time as a partner of the Methane Challenge on a rolling basis.

AGA is generally pleased with the final program details for natural gas distribution. EPA accepted most of AGA’s requested changes in the best practices, including an option to join either at the LDC level or at the holding company level. The flexibility built into the final program should allow most, if not all, AGA members to participate in this voluntary methane reduction program consistent with their current state utility commission authorizations. At the AGA Board Winter Meeting, the Board Natural Gas Emissions Task Force recommended robust AGA member participation in order to help demonstrate the voluntary activity underway by the industry.

A summary of the EPA Methane Challenge program is attached. For further information, please contact Pam Lacey, AGA Chief Regulatory Counsel, at 202-824-7340 or placey@aga.org.



Dave McCurdy | President and Chief Executive Officer

American Gas Association

400 N. Capitol St., NW | Washington, DC | 20001

P: 202-824-7111 | F: 202-824-7098 | dmccurdy@aga.org

The American Gas Association represents more than 200 local energy companies committed to the safe and reliable delivery of clean natural gas to over 69 million customers throughout the nation.

To: placey@aga.org[placey@aga.org]
Cc: Bylin, Carey[Bylin.Carey@epa.gov]
From: Pryor, Justin
Sent: Tue 3/8/2016 4:09:50 PM
Subject: RE: FYI - Methane Challenge - I have a list of 15 companies so far

Good Morning Pam,

Carey has asked me to plug in and assist with some of the coordination with AGA during the influx of emails and calls (we are so pleased with all the interest we've been receiving!).

Thank you for your involvement in this process and assistance in the recruiting, as well as the offers to participate at the Launch Event. We are continuing to work through organizing and finalizing the agenda, but we will reach out to you as soon as we know more on our end.

In terms of tracking partner interest in joining, I believe about 15 is our number, as well.

Thank you, again, for your assistance. March 30 is coming very quickly, so you can expect to hear from us soon with more details regarding the agenda. Please reach out if you have any more news, interest, or questions.

Respectfully,

Justin Pryor

Climate Change Division

U.S. Environmental Protection Agency

202-343-9258

From: Lacey, Pam [<mailto:PLacey@aga.org>]

Sent: Tuesday, March 08, 2016 9:51 AM
To: Bylin, Carey <Bylin.Carey@epa.gov>
Subject: FYI - Methane Challenge - I have a list of 15 companies so far

Carey – How many gas utility companies have you heard from so far?

I have heard from 15 as of this morning saying they are either definite or likely to join as Founding Partners, and I told them to let you know. They plan to send senior executives to the launch event. We still have PSEG President Ralph LaRossa, AGA 2016 Chairman of the Board, lined up along with AGA COO Lori Traweck for speaking roles at the event.

Best, Pam

Pamela A. Lacey | Chief Regulatory Counsel

Office of General Counsel

American Gas Association

400 N. Capitol St., NW | Washington, DC | 20001

P: 202-824-7340 | M: 202-809-6565 | F: 202-824-9190 | placey@aga.org

The American Gas Association represents more than 200 local energy companies committed to the safe and reliable delivery of clean natural gas to over 69 million customers throughout the nation.

From: Pryor, Justin
Location: Teleconference
Importance: Normal
Subject: Accepted: Methane Challenge
Start Date/Time: Mon 3/7/2016 3:30:00 PM
End Date/Time: Mon 3/7/2016 4:00:00 PM

To: King, Theresa S:(BGE)[Theresa.King@bge.com]
Cc: Bylin, Carey[Bylin.Carey@epa.gov]; Waltzer, Suzanne[Waltzer.Suzanne@epa.gov]
From: Pryor, Justin
Sent: Tue 2/23/2016 4:50:01 PM
Subject: RE: Natural Gas STAR Methane Challenge Program

You can contact Ms. Waltzer (cc'd), as she may have background information regarding the SF6 program, but the program manager has recently retired and we are presently working on a transition plan for the program.

Let me know if I can assist with anything else.

Justin

From: King, Theresa S:(BGE) [mailto:Theresa.King@bge.com]
Sent: Tuesday, February 23, 2016 11:34 AM
To: Pryor, Justin <Pryor.Justin@epa.gov>
Subject: RE: Natural Gas STAR Methane Challenge Program

Thank you! I am sharing this information with others in our organization in the hopes that we can join.

Also – we were interested in joining the EPA SF6 Emission Reduction Partnership for Electric Power Systems. I see Sally Rand listed at the EPA website as the contact but emails to her have bounced back, do you know who else would be the contact for this?

THANKS!

Theresa

From: Pryor, Justin [<mailto:Pryor.Justin@epa.gov>]
Sent: Tuesday, February 23, 2016 11:29 AM
To: King, Theresa S:(BGE)
Cc: Bylin, Carey
Subject: RE: Natural Gas STAR Methane Challenge Program

Good Morning Ms. King,

I am a colleague of Ms. Bylin, and can hopefully answer your questions. First off, we are excited to hear of your interest in the Program! And thank you for reaching out, as well.

The replacement rate commitment is something a partner would work towards over their 5 year commitment. If you were to sign up this March, for example, you would choose a commitment start date between the March and August/September (2016) timeframe. You would then have until August/September of 2021 to achieve and maintain moving forward at least a 3% annual replacement rate.

We have yet to work out all of the details regarding partners that do not meet their commitments, but we certainly plan to work with our partners in any way we can to assist in accomplishing their goals. I can say with confidence that we wouldn't highlight that a company did not achieve a commitment. I can discuss this further with my team and get back to you with more information, though.

Please let me know if you have any further questions, and again, we're excited to work with you!

Respectfully,

Justin Pryor

Climate Change Division

U.S. Environmental Protection Agency

202-343-9258

From: King, Theresa S:(BGE) [<mailto:Theresa.King@bge.com>]
Sent: Tuesday, February 23, 2016 8:51 AM
To: Bylin, Carey <Bylin.Carey@epa.gov>
Subject: Natural Gas STAR Methane Challenge Program

Hi Ms. Bylin,

I work for Baltimore Gas and Electric and we are looking into joining the Natural Gas STAR Methane Challenge Program.

We were looking at making a commitment for replacing cast iron and unprotected steel mains. When I look at the chart in the Technical Information document it looks like we would fall in Tier 3 which would require a 3% annual replacement. We are planning to meet that in 2016 but it is going to be close. Is the commitment for every year or over the next 5 years? And what happens if a partner does not meet their commitment?

Thanks,

Theresa

Theresa S. King

BGE Environmental Management Unit

Sr. Environmental Scientist

phone 410.470.6436 | fax 410.213.3382

To: ann.w.loomis@dom.com[ann.w.loomis@dom.com]
Cc: Bylin, Carey[Bylin.Carey@epa.gov]
From: Pryor, Justin
Sent: Wed 10/7/2015 4:07:56 PM
Subject: RE: Meeting request from Dominion

Ms. Loomis,

I am working with Carey and will be your point of contact/escort through the building up to our conference room. Once you arrive please give me a call at 202-343-9258 (and just in case you miss me for some reason, (b)(6) personal privacy). You could also have the guard at the security desk give me a call.

The best entrance would be the "South" main entrance, all the way up the escalator from the Federal Triangle Metro Station and to your left.

We look forward to meeting with you!

Justin Pryor

202-343-9258

From: Ann W Loomis (Services - 6) [mailto:ann.w.loomis@dom.com]
Sent: Monday, October 05, 2015 4:00 PM
To: Bylin, Carey
Subject: FW: Meeting request from Dominion

Carey,

The following will attend our meeting scheduled for this Wednesday on the Methane Challenge

program.

Cristie Neller – VP Gas System Engineering

Alice Prior – Environmental

Molly Plautz – Federal Affairs Manager

Myself

Thanks,

Ann

Ann Loomis|Senior Advisor, Federal & Environmental Policy|Dominion

400 N. Capitol Street, NW, Suite 875, Washington, DC 20001

202.585.4205

From: Ann W Loomis (Services - 6)
Sent: Thursday, September 24, 2015 8:35 AM
To: Bylin, Carey
Subject: Re: Meeting request from Dominion

Carey,

Oct 7 at 3:00 is great for us. We will want to discuss the proposed Methane Challenge program.

Thanks,

Ann

Sent from my iPhone

On Sep 23, 2015, at 8:45 PM, Bylin, Carey <Bylin.Carey@epa.gov> wrote:

Hi Ann,

The 7th works. How about 3p? Just to confirm, does this mostly cover Methane Challenge, or do you anticipate that we should include our GHGRP representatives?

Ms. Carey Bylin

International Programs Leader, Oil and Gas

Natural Gas STAR Program

Global Methane Initiative

U.S. Environmental Protection Agency

Phone: +1-202-343-9669

Visiting Address & Private Deliveries (courier, FedEx etc.)

1201 Constitution Ave NW, Room Number 4353 UU, Washington DC 20004

U.S. Mail Address:

Mail Code 6207M, 1200 Pennsylvania Ave NW, Washington DC 20460

<image001.gif>

From: Ann W Loomis (Services - 6) [<mailto:ann.w.loomis@dom.com>]
Sent: Wednesday, September 23, 2015 9:56 AM
To: Bylin, Carey
Subject: RE: Meeting request from Dominion

Carey,

Thanks for your reply. It would be a staff-level meeting and we would like to suggest the 7th if possible. I will provide you with the names attending from Dominion. It would be a few people from our environmental division and gas transmission operations.

Thank you,

Ann

Ann Loomis|Senior Advisor, Federal & Environmental Policy|Dominion

400 N. Capitol Street, NW, Suite 875, Washington, DC 20001

202.585.4205

From: Bylin, Carey [<mailto:Bylin.Carey@epa.gov>]
Sent: Wednesday, September 23, 2015 8:46 AM
To: Ann W Loomis (Services - 6)
Subject: RE: Meeting request from Dominion

Hi Ann,

Thanks very much for getting in touch on this. We would of course be happy to set up a meeting to discuss your questions/feedback on the Methane Challenge proposal. The week of October 5 is pretty open right now (hopefully the government will be open!), and Monday or Wednesday would be best days. I assume this will be a staff-level meeting?

Ms. Carey Bylin

International Programs Leader, Oil and Gas

Natural Gas STAR Program

Global Methane Initiative

U.S. Environmental Protection Agency

Phone: +1-202-343-9669

Visiting Address & Private Deliveries (courier, FedEx etc.)

1201 Constitution Ave NW, Room Number 4353 UU, Washington DC 20004

U.S. Mail Address:

Mail Code 6207M, 1200 Pennsylvania Ave NW, Washington DC 20460

<image001.gif>

From: Ann W Loomis (Services - 6) [<mailto:ann.w.loomis@dom.com>]

Sent: Wednesday, September 16, 2015 5:38 PM

To: Bylin, Carey

Subject: Meeting request from Dominion

Carey,

I have joined a few of the meetings you and your team have held in INGAA and other companies on the Methane Challenge program. At the last meeting there was an extensive discussion of INGAA's DI&M program as a best management practice and some shortcomings that could be added to the program to improve accountability. Dominion has a few issues concerning the Methane Challenge proposal that extend beyond the DI&M program. We like an opportunity to meet with you and your team to discuss these issues any provide any additional information that you may need.

We could be available the week of October 5 if you have any time available.

Thank you for considering this request. We will be available at your convenience.

Ann

Ann Loomis|Senior Advisor, Federal & Environmental Policy|Dominion

400 N. Capitol Street, NW, Suite 875, Washington, DC 20001

202.585.4205

To: Hunt, Gary[GHunt@trcsolutions.com]
From: Waltzer, Suzanne
Sent: Wed 4/13/2016 5:28:45 PM
Subject: RE: AWMA Methane Webinar

Dear Gary,

Thanks for your email and I apologize for the delayed response. I have forwarded your invitation to our Office of Air Quality Planning and Standards (the Office that leads EPA's Oil and Gas Regulatory Programs). I will let you know as soon as I hear back.

Thank you,

Suzie

Team Leader, Non-CO2 Programs
Climate Change Division
US Environmental Protection Agency
1200 Pennsylvania Avenue, NW
MC 6207A
Washington, DC 20460

202-343-9544

Waltzer.suzanne@epa.gov

From: Hunt, Gary [mailto:GHunt@trcsolutions.com]
Sent: Wednesday, April 06, 2016 6:49 PM
To: Waltzer, Suzanne <Waltzer.Suzanne@epa.gov>

Subject: FW: AWMA Methane Webinar

Dear Suzanne:

I just want to confirm that you received this message. Please reply at your earliest convenience.

Best Regards

Gary Hunt/TRC

From: Hunt, Gary

Sent: Friday, April 01, 2016 7:44 PM

To: 'waltzer.suzanne@epa.gov' <waltzer.suzanne@epa.gov>

Subject: FW: AWMA Methane Webinar

Dear Suzanne:

I was referred to you by Cynthia Greene (see below) regarding EPA regulatory programs and initiatives related to methane. I have recently submitted a proposal to the Air and Waste Management Association (AWMA) for a webinar on methane related topics. The webinar draft proposal has been accepted by the AWMA and is tentatively scheduled to take place on either May 24th or 25th. The proposed program is described in the attached WORD file. It is planned that the webinar will cover a number of topics related to methane and offer both the regulatory perspective, as well as, the perspective of the oil and gas industry. I would like to extend an invitation to the USEPA to participate in this program. I would like to discuss this opportunity further with you next week by phone if you are available. If you are willing please let me know what days and times work best for you. Thank you in advance for your consideration.

Best Regards

Gary Hunt/TRC Corporation

From: Greene, Cynthia [<mailto:Greene.Cynthia@epa.gov>]
Sent: Friday, March 25, 2016 8:44 AM
To: Hunt, Gary <GHunt@trcsolutions.com>
Subject: Methane contact at EPA

Hi Gary:

Dave Conroy gave me your contact information and asked that I let you know who the methane contact is at HQs. We were just briefed on the Methane Challenge yesterday by Suzie Waltzer in HQ. Her contact information is waltzer.suzanne@epa.gov at 202-343-9544.

Please let me know if there is any other information you need.

Cynthia L. Greene, Manager

Energy and Climate Unit

US EPA New England

Office of Ecosystem Protection

5 Post Office Square - Suite 100

Mail Code: OEP05-2

Boston, MA 02109-3912

617-918-1813

617-918-0813 fax

[greene.cynthia@epa.gov](mailto:greenecynthia@epa.gov)

To: King, Theresa S:(BGE)[Theresa.King@bge.com]
From: Waltzer, Suzanne
Sent: Thur 3/24/2016 2:17:55 PM
Subject: RE: SF6 Emission Reduction Partnership for Electric Power Systems

Hi Theresa,

I apologize for the late reply. Yes, Lorinda is the contact we have as well.

Please let me know if you have further questions.

Suzie Waltzer

Team Leader, Non-CO2 Programs
Climate Change Division
US Environmental Protection Agency
202-343-9544
Waltzer.suzanne@epa.gov

From: King, Theresa S:(BGE) [mailto:Theresa.King@bge.com]
Sent: Friday, March 18, 2016 3:23 PM
To: Waltzer, Suzanne <Waltzer.Suzanne@epa.gov>
Subject: RE: SF6 Emission Reduction Partnership for Electric Power Systems

Hi Suzanne,

I am trying to get this signed off on. A couple questions came up about what we will have to be submitting. Do you know who the current Exelon contact is? Is it Lorinda at ComEd or

someone at the Exelon level? I wanted to contact them to see what they submit.

Thanks,

Theresa

From: Waltzer, Suzanne [<mailto:Waltzer.Suzanne@epa.gov>]
Sent: Wednesday, March 02, 2016 11:01 AM
To: King, Theresa S:(BGE)
Cc: Franklin, Pamela
Subject: RE: SF6 Emission Reduction Partnership for Electric Power Systems

Dear Ms. King,

Thank you for your email. We appreciate BGE's interest in the SF6 Emission Reduction Partnership for Electric Power Systems. I apologize for the delay in responding.

The MOU and steps to join the partnership can be found at the following link -
<http://www3.epa.gov/highgwp/electricpower-sf6/join.html>

As Justin mentioned, Sally Rand retired this fall and we are working on a transition plan for this program in her absence. In the interim, you can direct any hardcopy correspondence to me at the below address or via email at waltzer.suzanne@epa.gov.

Please let me know if you have questions or would like additional information.

Thank you,

Suzie Waltzer

Team Leader, NonCO2 Programs

Climate Change Division, OAR

US Environmental Protection Agency

1200 Pennsylvania Avenue, NW

MC 6207A

Washington, DC 20460

202-343-9544

From: King, Theresa S:(BGE) [<mailto:Theresa.King@bge.com>]

Sent: Tuesday, February 23, 2016 11:54 AM

To: Waltzer, Suzanne <Waltzer.Suzanne@epa.gov>

Subject: SF6 Emission Reduction Partnership for Electric Power Systems

Hi Ms. Waltzer,

Baltimore Gas and Electric is interested in becoming a partner of the SF6 Emission Reduction Partnership for Electric Power Systems. We are part of Exelon Utilities, which is already listed as a partner with ComEd and PECO listed under them. I wanted to see what we needed to do to join and also be listed under Exelon.

Thanks!

Theresa

Theresa S. King

BGE Environmental Management Unit

Sr. Environmental Scientist

phone 410.470.6436 | fax 410.213.3382

email: Theresa.King@bge.com

From: Pryor, Justin [<mailto:Pryor.Justin@epa.gov>]
Sent: Tuesday, February 23, 2016 11:50 AM
To: King, Theresa S:(BGE)
Cc: Bylin, Carey; Waltzer, Suzanne
Subject: RE: Natural Gas STAR Methane Challenge Program

You can contact Ms. Waltzer (cc'd), as she may have background information regarding the SF6 program, but the program manager has recently retired and we are presently working on a transition plan for the program.

Let me know if I can assist with anything else.

Justin

From: King, Theresa S:(BGE) [<mailto:Theresa.King@bge.com>]
Sent: Tuesday, February 23, 2016 11:34 AM
To: Pryor, Justin <Pryor.Justin@epa.gov>
Subject: RE: Natural Gas STAR Methane Challenge Program

Thank you! I am sharing this information with others in our organization in the hopes that we can join.

Also – we were interested in joining the EPA SF6 Emission Reduction Partnership for Electric Power Systems. I see Sally Rand listed at the EPA website as the contact but emails to her have bounced back, do you know who else would be the contact for this?

THANKS!

Theresa

From: Pryor, Justin [<mailto:Pryor.Justin@epa.gov>]
Sent: Tuesday, February 23, 2016 11:29 AM
To: King, Theresa S:(BGE)
Cc: Bylin, Carey
Subject: RE: Natural Gas STAR Methane Challenge Program

Good Morning Ms. King,

I am a colleague of Ms. Bylin, and can hopefully answer your questions. First off, we are excited to hear of your interest in the Program! And thank you for reaching out, as well.

The replacement rate commitment is something a partner would work towards over their 5 year commitment. If you were to sign up this March, for example, you would choose a commitment start date between the March and August/September (2016) timeframe. You would then have until August/September of 2021 to achieve and maintain moving forward at least a 3% annual replacement rate.

We have yet to work out all of the details regarding partners that do not meet their commitments, but we certainly plan to work with our partners in any way we can to assist in accomplishing their goals. I can say with confidence that we wouldn't highlight that a company did not achieve

a commitment. I can discuss this further with my team and get back to you with more information, though.

Please let me know if you have any further questions, and again, we're excited to work with you!

Respectfully,

Justin Pryor

Climate Change Division

U.S. Environmental Protection Agency

202-343-9258

From: King, Theresa S:(BGE) [<mailto:Theresa.King@bge.com>]

Sent: Tuesday, February 23, 2016 8:51 AM

To: Bylin, Carey <Bylin.Carey@epa.gov>

Subject: Natural Gas STAR Methane Challenge Program

Hi Ms. Bylin,

I work for Baltimore Gas and Electric and we are looking into joining the Natural Gas STAR Methane Challenge Program.

We were looking at making a commitment for replacing cast iron and unprotected steel mains. When I look at the chart in the Technical Information document it looks like we would fall in Tier 3 which would require a 3% annual replacement. We are planning to meet that in 2016 but

it is going to be close. Is the commitment for every year or over the next 5 years? And what happens if a partner does not meet their commitment?

Thanks,

Theresa

Theresa S. King

BGE Environmental Management Unit

Sr. Environmental Scientist

phone 410.470.6436 | fax 410.213.3382

email: Theresa.King@bge.com

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From: Waltzer, Suzanne

Location: Call in number is [Ex. 6 - Personal Privacy], passcode - [Ex. 6 - Personal Privacy]

Importance: Normal

Subject: Accepted: Conference Call with EPA Methane Challenge Staff

Start Date/Time: Wed 1/6/2016 5:00:00 PM

End Date/Time: Wed 1/6/2016 6:00:00 PM

From: Waltzer, Suzanne
Location: EPA; 1201 Constitution Ave NW (Have the guard call Jerome upon arrival)
Importance: Normal
Subject: Accepted: FSA Meeting with EPA - Methane Challenge & Life Cycle Calculator
Start Date/Time: Thur 8/27/2015 2:00:00 PM
End Date/Time: Thur 8/27/2015 3:00:00 PM

From: Waltzer, Suzanne

Importance: Normal

Subject: Accepted: FW: Meeting at API on EPA Methane Challenge (Ex. 6 - Personal Privacy)

(Ex. 6 - Personal Privacy #)

Start Date/Time: Tue 8/11/2015 5:00:00 PM

End Date/Time: Tue 8/11/2015 6:30:00 PM

To: Gunning, Paul[Gunning.Paul@epa.gov]
From: Hutchins, Thomas D (Tom)
Sent: Fri 4/1/2016 7:59:43 PM
Subject: RE: CONFIDENTIAL AND DELIBERATIVE - Need for a Quick Call

Paul,

Thanks for the quick response.

We also agreed to have weekly calls and you proposed each Monday at 2:30 pm Eastern Time to address the remaining elements of the ONE Future commitment option. I believe Tom Michels confirmed the day and time will work for us.

Will you send an Outlook invitation for the calls or prefer we set up the calls?

Employee Observations - It's not a gotcha - it's "I've got your back!"

Driving Continuous Improvements in People Safety and the Environment; Air Quality, Environmental Compliance and Remediation.

Thomas D. Hutchins, PE

EH&S VP

Kinder Morgan Natural Gas Pipelines

713-420-7918 - Office

713-445-9272 - Fax

713-705-0683 - Cell

Thomas_hutchins@kindermorgan.com

Please consider the environment before printing this email.

-----Original Message-----

From: Gunning, Paul [mailto:Gunning.Paul@epa.gov]

Sent: Friday, April 01, 2016 2:52 PM

To: Hutchins, Thomas D (Tom)

Cc: Bylin, Carey; Franklin, Pamela; Richard Hyde

Subject: RE: CONFIDENTIAL AND DELIBERATIVE - Need for a Quick Call

Thanks Tom. We look forward to working with you and Richard and getting to the finish line!

Have a great weekend and thanks for reaching out.

Paul

Director, Climate Change Division

Office of Atmospheric Programs

202-343-9736

202-251-1436 (cell)

-----Original Message-----

From: Hutchins, Thomas D (Tom) [mailto:Thomas_Hutchins@kindermorgan.com]

Sent: Friday, April 01, 2016 3:39 PM

To: Gunning, Paul <Gunning.Paul@epa.gov>

Cc: Bylin, Carey <Bylin.Carey@epa.gov>; Franklin, Pamela <Franklin.Pamela@epa.gov>; Richard Hyde

<rhyde@aglresources.com>

Subject: RE: CONFIDENTIAL AND DELIBERATIVE - Need for a Quick Call

Paul,

Thanks so much for the call and email.

As noted, to reduce operating costs, ONE Future made the difficult decision to end our relationship with Tom Michels effective 3/31/2016.

Richard Hyde with AGL Resources will be taking over the Executive Director responsibilities for ONE Future. Richard is on the Cc and below is his contact information. Please use Richard as the point person for ONE Future to set up calls and meetings to finalize the Methane Challenge ONE Future commitment option.

Richard Hyde
Rhyde@aglresources.com
Office - 832-397-8501
Mobile - 832-457-2279

We are set to have a face to face meeting with you and the other EPA team members April 13, 2016 at 12:30 Eastern Time.

We also agreed to have weekly calls Monday at 2:30 pm Eastern Time to address the remaining elements of the ONE Future commitment option. Will you send an Outlook invitation for the calls?

We look forward to working with you and the EPA Methane Challenge Team to finalize the ONE Future commitment option.

Employee Observations - It's not a gotcha - it's "I've got your back!"

Driving Continuous Improvements in People Safety and the Environment; Air Quality, Environmental Compliance and Remediation.

Thomas D. Hutchins, PE
EH&S VP
Kinder Morgan Natural Gas Pipelines
713-420-7918 - Office
713-445-9272 - Fax
713-705-0683 - Cell
Thomas_hutchins@kindermorgan.com

Please consider the environment before printing this email.

-----Original Message-----

From: Gunning, Paul [mailto:Gunning.Paul@epa.gov]
Sent: Friday, April 01, 2016 1:17 PM
To: Hutchins, Thomas D (Tom)
Cc: Bylin, Carey; Franklin, Pamela
Subject: RE: CONFIDENTIAL AND DELIBERATIVE - Need for a Quick Call

Tom, great to hear from you and sorry we didn't connect. I just tried you and left a voice mail. Just give me a call when you can as I will be around for the next few hours. We can also set something up on Monday if that works better for you. Just let me know.

Paul

Director, Climate Change Division
Office of Atmospheric Programs
202-343-9736
202-251-1436 (cell)

-----Original Message-----

From: Hutchins, Thomas D (Tom) [mailto:Thomas_Hutchins@kindermorgan.com]
Sent: Friday, April 01, 2016 9:46 AM
To: Gunning, Paul <Gunning.Paul@epa.gov>
Cc: Bylin, Carey <Bylin.Carey@epa.gov>; Franklin, Pamela <Franklin.Pamela@epa.gov>
Subject: Re: CONFIDENTIAL AND DELIBERATIVE - Need for a Quick Call

Paul,

I'm sorry we were not able to connect Wednesday or Thursday. I realize you and the team are consumed with the Methane Challenge launch along with the Global Methane Initiative meetings.

I am participating in an INGAA Foundation Meeting this morning. Would you have a few minutes after lunch to discuss a change we are making at ONE Future?

Thomas D. Hutchins
V.P. EH&S, Kinder Morgan
Office - 713-420-7918
Mobile - 713-705-0683

Sent from my iPad

> On Mar 30, 2016, at 7:07 AM, Gunning, Paul <Gunning.Paul@epa.gov> wrote:

>

> Tom does 9 am today work? If so just let us know what number to call

>

> Thanks

>

> Paul

>

> Paul Gunning

> 202-251-1436

> Sent from my iPhone

>

>> On Mar 29, 2016, at 9:29 PM, Hutchins, Thomas D (Tom) <Thomas_Hutchins@kindermorgan.com> wrote:

>>

>> Paul,

>>

>> We could also do the call Thursday morning if that helps.

>>

>> Thomas D. Hutchins

>> 713-420-7918 Office

>> 713-705-0683 Mobile

>> Thomas_hutchins@kindermorgan.com<mailto:Thomas_hutchins@kindermorgan.com>

>> Sent from my iPhone

>>
>> On Mar 29, 2016, at 8:27 PM, Hutchins, Thomas D (Tom)
<Thomas_Hutchins@kindermorgan.com<mailto:Thomas_Hutchins@kindermorgan.com>> wrote:
>>
>> Paul,
>>
>> I appreciate the response.
>>
>> It should just take just a few minutes of your time, which I realize is precious right now.
>>
>>
>> Thomas D. Hutchins
>> 713-420-7918 Office
>> 713-705-0683 Mobile
>> Thomas_hutchins@kindermorgan.com<mailto:Thomas_hutchins@kindermorgan.com>
>> Sent from my iPhone
>>
>> On Mar 29, 2016, at 8:10 PM, Gunning, Paul
<Gunning.Paul@epa.gov<mailto:Gunning.Paul@epa.gov>> wrote:
>>
>> Tom good to hear from you. We are swamped with the methane forum but we will look at our
schedule first thing in the am and get back to you asap
>>
>> Paul
>>
>>
>>
>> Paul Gunning
>> 202-251-1436
>> Sent from my iPhone
>>
>> On Mar 29, 2016, at 5:21 PM, Hutchins, Thomas D (Tom)
<Thomas_Hutchins@kindermorgan.com<mailto:Thomas_Hutchins@kindermorgan.com>> wrote:
>>
>> Carey, Paul and Pamela,
>>
>> Are you available for a call tomorrow morning?
>>
>> I need to talk with you one a single issue. The call should not last longer the 15-20 minutes.
>>
>>
>> Employee Observations - It's not a gotcha - it's "I've got your back!"
>>
>> Driving Continuous Improvements in People Safety and the Environment; Air Quality, Environmental
Compliance and Remediation.
>> Thomas D. Hutchins, PE
>> EH&S VP
>> Kinder Morgan Natural Gas Pipelines
>> 713-420-7918 - Office
>> 713-445-9272 - Fax
>> 713-705-0683 - Cell
>> Thomas_hutchins@kindermorgan.com<mailto:Thomas_hutchins@kindermorgan.com>
>>
>> Please consider the environment before printing this email.

To: Gunning, Paul[Gunning.Paul@epa.gov]; Bylin, Carey[Bylin.Carey@epa.gov]; Franklin, Pamela[Franklin.Pamela@epa.gov]
Cc: Edward White[Edward.White@nationalgrid.com]; Fred Hagemeyer[Fred.Hagemeyer@bhpbilliton.com]; Jim Kibler[jkibler@aglresources.com]; Jon Graham[jon.graham@apachecorp.com]; Mark_Boling@SWN.COM[Mark_Boling@SWN.COM]; Thomas Hutchins[Thomas_Hutchins@kindermorgan.com]; Wagner, Victoria (vwagner@cpg.com)[vwagner@cpg.com]; Webster, Tony (awebster@hess.com)[awebster@hess.com]
From: Tom Michels
Sent: Thur 3/17/2016 8:24:28 PM
Subject: CONFIDENTIAL AND DELIBERATIVE - Summary of today's ONE Future/EPA Call

Paul,

Thanks to you and Carey and the team for talking with us earlier today. I wanted to try to memorialize our conversation and ensure that we share a common understanding of the next steps. To that end, here's my attempt to provide a concise summary of what was said today:

- EPA does not feel that there is sufficient time remaining to finalize the ONE Future Commitment Option by the planned rollout date of March 30. Therefore EPA will proceed with a rollout event exclusively for the BMP Commitment Option on March 30.
- Specifically, EPA believes that resolution of the details surrounding the reporting of the "E2" and "R term" data elements, will require more time than exists between now and March 30th. Resolving those issues will require more time before they are adequately addressed in, for example, a Supplemental Technical Information document or a Framework document.
- As noted in the July 2015 release of the Methane Challenge Framework, the EPA continues to believe "that companies participating in the Methane Challenge would have the opportunity to choose from two options"- the BMP option and the ONE Future Commitment option. By signing up to either or both of these commitments, companies would become recognized partners in the Methane Challenge Program."
- To that end, EPA will draft up some specific next steps in terms of commitments and timelines that would specify a work plan for how we would mutually work through the remaining issues. EPA plans to share a draft set of dates and milestones with ONE Future by early next week. EPA staff will remain committed to resolving the remaining technical issues with ONE Future.
- Additionally, EPA will kick off a parallel process to identify a date and location that we could plan for/orchestrate a rollout event for the ONE Future Commitment option, that would be comparable to the BMP Option launch event planned for March 30th.
- Finally, in conjunction with the March 30th BMP Launch Event, EPA would publicly state that they are continuing to work with ONE Future toward the finalization of ONE Future Commitment Option, clearly signaling to the public that EPA remains committed to the effort

and to working with ONE Future on a long term basis. ONE Future companies that will sign-up by the ONE Future launch date, will be recognized as Founding Partners of the Methane Challenge program.

Please let me know if you agree that this adequately reflects the substance of our discussion.

In conclusion, let me again extend our collective thanks to you and the entire team for the work that you have put into this effort thus far. We are all well aware of the competing demands for your attention, and we are grateful that EPA has worked with us so constructively to this point.

Best regards,

Tom

Tom Michels

Executive Director,

ONE Future Coalition

www.onefuture.us

Principal,

BlueWater Strategies llc

25 Massachusetts Avenue, NW

Suite 820

Washington, DC 20001

tmichels@bwstrategies.com

Direct – 202-589-1759

Office – 202-589-0015

Mobile –202-413-2059

To: Bylin, Carey[Bylin.Carey@epa.gov]
From: Tom Michels
Sent: Thur 2/25/2016 4:02:26 PM
Subject: CONFIDENTIAL - Background for our call

Carey,

I thought this would be helpful to provide in writing in advance of our call. Here are the questions as I addressed them to ONE Future members, and the basic responses:

Questions for ONE Future Members:

- **Question 1a: Would ONE Future Members support reporting emission reductions achieved by source at the “company level”? (Company Level referring to enrolled US assets.)** For example, we could report the total volume of reductions achieved via pneumatic replacement across our enrolled assets in a given year.

***Answer:** ONE Future strongly supports reporting emissions reductions by source at the ‘company level’. Some companies object to reporting at the facility level. ALL companies objected to detailed reporting at below the facility level. Example quote “Any level of detailed reporting below the basin level would significantly increase the reporting burden and require changes to our electronic data reporting software systems, which have been developed over several years at a cost of tens of millions of dollars.”*

- **Question 1b: If you answered yes to 1a, would you support further differentiating the source-by-source reductions as “voluntary” or “mandatory”.** Example: “Acme Oil voluntarily reduced its emissions from high bleed pneumatics by 8 tons in 2017. An additional 2 tons were reduced as part of compliance with Pennsylvania regulations.”

***Answer:** ONE Future does NOT support differentiating source-by-source reductions as ‘voluntary or mandatory’. Again, this would significantly increase reporting burdens and challenge our emissions reporting software infrastructure. Additional reporting takes time and costs money. The added strain on resources from additional reporting at this level of detail may prevent many operators from participating in the Methane Challenge program, especially in this low product price environment.*

Tom Michels

Executive Director,

ONE Future Coalition

www.onefuture.us

Principal,

BlueWater Strategies llc

25 Massachusetts Avenue, NW

Suite 820

Washington, DC 20001

tmichels@bwstrategies.com

Direct – 202-589-1759

Office – 202-589-0015

Mobile –202-413-2059

This message may contain information that is privileged or confidential. If you receive this transmission in error, please notify the sender by reply e-mail and delete the message and any attachments.

To: James Horton[jehorton@globalindustrialpartners.com]
Cc: Blackman, Jerome[Blackman.Jerome@epa.gov]; Jochen Pernsteiner[Jochen.Pernsteiner@lmf.at]; Michael Hauser[Michael.Hauser@lmf.at]; Erin Pittorino[Erin.Pittorino@erg.com]; Allison Berkowitz[Allison.Berkowitz@erg.com]
From: Lauren Lariviere
Sent: Wed 10/14/2015 7:56:16 PM
Subject: RE: Natural Gas STAR conference in November
[AIW Agenda 10 14 ToDistribute.pdf](#)
[Horton.pdf](#)

Attached please find the speaker kit and updated agenda.

Let me know if you have questions!

Lauren

From: James Horton [mailto:jehorton@globalindustrialpartners.com]
Sent: Wednesday, October 14, 2015 10:49 AM
To: Lauren Lariviere <Lauren.Lariviere@erg.com>
Cc: Jerome Blackman <Blackman.Jerome@epa.gov>; Jochen Pernsteiner <Jochen.Pernsteiner@lmf.at>; Michael Hauser <Michael.Hauser@lmf.at>; Erin Pittorino <Erin.Pittorino@erg.com>; Allison Berkowitz <Allison.Berkowitz@erg.com>
Subject: Re: Natural Gas STAR conference in November

Lauren,

OK, thanks. Looking forward to the information you are sending.

Best Regards,
Jamie Horton
Sales & Business Development
jehorton@globalindustrialpartners.com
Office/Mobile: 586.292.3937
Global Industrial Partners
• 36801 Woodward Avenue, #312,
Birmingham, Michigan 48009
• 1800 West Loop South #1115
Houston, Texas 77027
 **LMF** www.lmf.at

On Oct 14, 2015, at 9:37 AM, Lauren Lariviere <Lauren.Lariviere@erg.com> wrote:

Unfortunately our agenda is pretty full at this time and the 4-5:30 slot was the only spot we had some flexibility (by extending the day). It is right before the reception though, so it's a good lead in to that!

Lauren

From: James Horton [<mailto:jehorton@globalindustrialpartners.com>]
Sent: Wednesday, October 14, 2015 10:36 AM
To: Lauren Lariviere <Lauren.Lariviere@erg.com>
Cc: Jerome Blackman <Blackman.Jerome@epa.gov>; Jochen Pernsteiner <Jochen.Pernsteiner@lmf.at>; Michael Hauser <Michael.Hauser@lmf.at>; Erin Pittorino <Erin.Pittorino@erg.com>; Allison Berkowitz <Allison.Berkowitz@erg.com>
Subject: Re: Natural Gas STAR conference in November

Lauren,

Thank you, is it possible to have our presentation earlier in the day ? If this is not possible then the 4-5:30 slot can work. Thanks for your consideration.

<image001.png>

On Oct 14, 2015, at 9:25 AM, Lauren Lariviere <Lauren.Lariviere@erg.com> wrote:

Dear Jamie,

I spoke with Jerome and he has agreed to add your presentation to the international panel on Tuesday afternoon between 4-5:30 PM. You will have 20 minutes total to present with a few minutes afterwards for questions. I will send a full speaker kit later, but wanted to get you this confirmation ASAP.

Lauren

From: James Horton [<mailto:jehorton@globalindustrialpartners.com>]
Sent: Wednesday, October 14, 2015 8:23 AM
To: Jerome Blackman <Blackman.Jerome@epa.gov>
Cc: Jochen Pernsteiner <Jochen.Pernsteiner@lmf.at>; Michael Hauser <Michael.Hauser@lmf.at>; Lauren Lariviere <Lauren.Lariviere@erg.com>; Erin Pittorino <Erin.Pittorino@erg.com>; Allison Berkowitz <Allison.Berkowitz@erg.com>
Subject: Re: Natural Gas STAR conference in November
Importance: High

Jerome,

Here are more details regarding our partner who will present at the conference. Can you confirm the Tuesday date and time ? Also, what is required from the presenter in terms of presentation time, media, computer, etc ? Thanks.

CII Guatelli S.p.A.

Via Novara 166

28069 Trecate - Novara

Italia

Person who will do the presentation together with us will be Mr. Marco Bettoni
– responsible manager for the methane gas recompression.

A possible title for the presentation could be “Improving pipeline maintenance operational efficiency through latest technology and cost efficient practices”.

I suggest to have two parts of the presentation.

1st part: Basic introduction of our Mobile Gas Pipeline Evacuation product portfolio.

2nd part: Presentation about the use of our system from the view of an operator.

<image001.png>

On Oct 12, 2015, at 10:08 AM, James Horton
<jehorton@globalindustrialpartners.com> wrote:

Jerome,

Good morning. Can you still confirm an opening for a presentation ? Our preferred date would be on Tuesday the 17th. Our title would be “Mobile Compression Solutions for Gas Pipeline Evacuation” and our partner is an Italian pipeline services company (I will get you the name). Thanks.

<Screen Shot 2015-08-18 at 2.55.25 PM.png>

On Sep 18, 2015, at 3:41 PM, Blackman, Jerome <Blackman.Jerome@epa.gov> wrote:

Hi Jochen,

Thank you for following up with me regarding our Annual Implementation Workshop in Pittsburgh, PA.

I am providing a link to our website with all of the pertinent information you need.

<http://www3.epa.gov/gasstar/workshops/annualimplementation/2015.html>

I have also attached the **Exhibitor information Form** to this email which you can access via the link below as well.

http://www3.epa.gov/gasstar/documents/workshops/2015_annimp_exhibitorinfo.pdf

Lastly, we *may* have a slot available for a presentation in our “**International Cooperation/Activities**” session however I cannot promise anything at this time. What would be the title of your proposed presentation? Would your Italian customer co-present with you? Who is the company?

All the best,

Jerome

From: Pernsteiner Jochen [<mailto:Jochen.Pernsteiner@lmf.at>]
Sent: Thursday, September 17, 2015 5:09 AM
To: Blackman, Jerome
Cc: 'jehorton@globalindustrialpartners.com'; Hauser Michael
Subject: LMF contact - conference in November

Dear Mr. Blackman,

at the beginning of my Email I would like to thank you for the informative meeting.

According to the discussion to participate your conference between 16th to 18th November I would like to ask if you could send us more detailed information that

Our marketing department can evaluate and book an exhibition booth. As well I would like to inform you that I was in contact with our Italian customer for the possibility

of an presentation and got the confirmation from them. So please also let me know if it is still valid to do the presentation during the conference.

I would like to thank you in advance for your appreciated reply and remain in the meantime,

With best regards

Jochen Pernsteiner

Mobile Onshore Systems

Vice President

Mail: Jochen.Pernsteiner@lmf.at
Phone: +43 2256 9001-314
Fax: +43 2256 9001-703
Mobile: (b)(6) personal privacy

<image001.gif>

Leobersdorfer Maschinenfabrik GmbH

Suedbahnstrasse 28
A-2544 Leobersdorf – Austria

FN 250425 y - Court Wiener Neustadt

<http://www.LMF.at>

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<2015_ExhibitorInfo.pdf>

Natural Gas STAR Annual Implementation Workshop

November 16-18, 2015
Sheraton Pittsburgh at Station Square
Pittsburgh, PA



Preliminary Workshop Agenda (10/14/15)

EPA



10/14/15

Monday, November 16, 2015

10:00 am – 3:00 pm **Site Tour – Waynesburg Compressor Station**
Columbia Pipeline Group

Tuesday, November 17, 2015

8:00 am – 8:30 am **Continental Breakfast**

8:30 am – 8:45 am **Welcome and Introduction**

8:45 am – 9:45 am **Keynote Address**

- ⚡ U.S. Methane Strategy Overview and Role of the Oil and Gas Sector
Teresa Marks, Principal Advisor to the Administrator/U.S. EPA

9:45 am – 10:30 am **Natural Gas STAR Methane Challenge Program**

- ⚡ Program Overview and Update

10:30 am – 11:00 am **Networking and Refreshment Break**

11:00 am – 11:30 am **One Future**

11:30 am – 12:00 pm **Local Activities in the Marcellus Shale Basin**

- ⚡ *Summary of Site Tour – Jeff McCombs, Columbia Gas*

12:00 pm – 1:00 pm **Lunch**

1:00 pm – 2:00 pm **Lost and Unaccounted For Gas/Fuel Panel**

- ⚡ Overview
Panel discussion by various LDCs

2:00 pm – 3:30 pm **New, Innovative Methane Control/Use Technologies – Part I**

Production/Upstream

- ⚡ New Compressor Technologies for Emissions Reduction in Shale Gas Applications – *Jack Schwaller, Hoerbiger and Joe Baker*
- ⚡ Best Practices for Vapor Recovery Systems to Reduce Venting and Flaring with Economic Benefit – *Jeff Vorhis, Hy-Bon*
- ⚡ Improving Utilization of Associated Gas in U.S. Tight Oil Fields – *Lesley Fleishman, Clean Air Task Force*

3:30 pm – 4:00 pm **Networking and Refreshment Break**

10/14/15

4:00 pm – 5:30 pm

International Cooperation/Activities

- 🔥 Climate and Clean Air Coalition (CCAC) - Overview
- 🔥 Global Methane Initiative (GMI) Update and Case Studies
- 🔥 Update from Carbon Limits (UK) – *Hesan Darani, Carbon Limits*
- 🔥 Mobile Compression Solutions for Gas Pipeline Evacuation (Italy) – *James Horton, Global Industrial Partners and Marco Bettoni, CII Guatelli S.p.A.*

5:30 pm – 6:45 pm

Networking Reception

Wednesday, November 18, 2015

8:00 am – 8:30 am

Continental Breakfast

8:30 am – 8:45 am

Recap from Day 1 and Opening Remarks

8:45 am – 9:15 am

Gas STAR Partner Case Study 1: Southwestern Energy

Doug Jordan, Southwestern Energy

- 🔥 Fuel Cell Projects
- 🔥 Dual Fuel Drill Rigs

9:15 am – 9:45 am

Gas STAR Partner Case Study 2: Dominion Transmission

William Ruffner, Dominion Transmission

- 🔥 Blowdown Recovery Systems/Methods to Reduce Pressure before Blowdowns

9:45 am – 10:15 am

Networking and Refreshment Break

10:15 am – 10:45 am

Gas STAR Partner Case Study 3: DTE Gas Company

Mary Savalle, DTE Gas Company

- 🔥 Eliminating Vent Gas Emissions with a New Rod Sealing Solution for Reciprocating Compressors

10:45 am – 12:00 pm

New, Innovative Methane Control/Use Technologies – Part II

Transmission & Distribution

- 🔥 Improving Access to Electricity at Compression Stations to Eliminate Gas Pneumatics – *Larry Hjalmarson and Mothusi Pahl, Alphabet Energy, Inc.*
- 🔥 Reducing Methane Emissions from Wet Seal Equipped Centrifugal Compressors- Evaluating the Economic, Energy and Carbon Footprint Impact of the Sealing Solution Options – *Mark Savage and Paul Hosking, John Crane*
- 🔥 Stop Venting Your Profits Away: Eliminate Methane Emissions with Electric Actuation – *Barb Boynton, Exlar Actuation Solution*

12:00 pm – 1:00 pm

Lunch

10/14/15

1:00 pm – 2:00 pm

Regulatory Update Panel: New and Existing Sources

- 🔥 Greenhouse Gas Reporting Program: 2014 Oil and Gas Data
Alexis McKittrick, U.S. EPA/Climate Change Division
- 🔥 Proposed Updates to New Source Performance Standards (NSPS) and Draft Control Techniques Guideline.
Bruce Moore U.S. EPA/OAQPS (Invited)

2:00 pm – 2:30 pm

Networking and Refreshment Break

2:30 pm – 4:30 pm

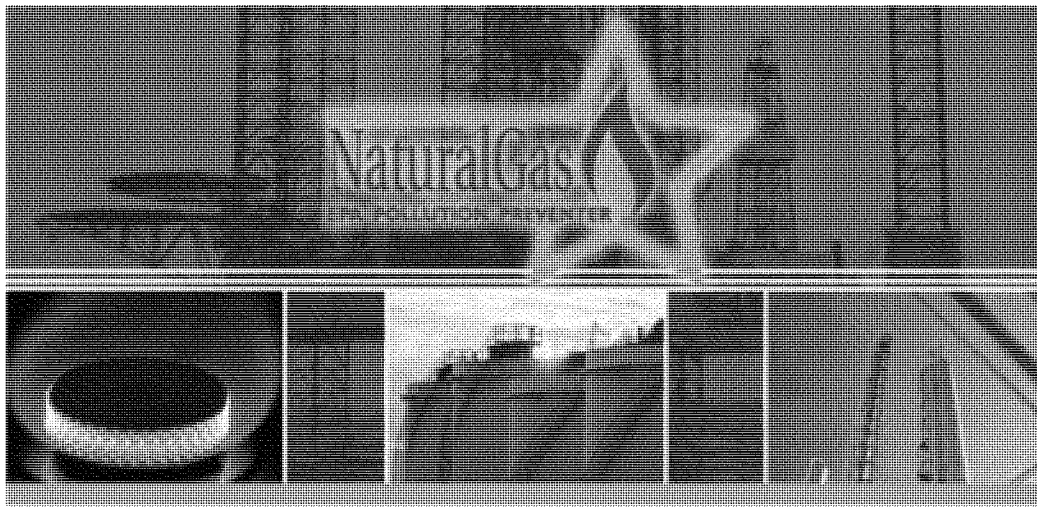
Advances in Leak Detection and Measurement

All/Upstream and Downstream

- 🔥 Direct Inspection and Maintenance for Compressor Station Methane Reductions – *Theresa Pugh, INGAA and James McCarty, Innovative Environmental Solutions, Inc.*
- 🔥 LDAR Case Study Comparison of Conventional Method 21 vs Alternative Work Practice – *Terence Trefiak, Target Emission Services*
- 🔥 Direct Measurement Findings of Pneumatics and Compressor Seal Vents in Western Canada – *Joshua Anhalt, Green Path Energy*
APRA-E MONITOR Program – *Bryan Willson, Department of Energy/APRA-E*

4:30 pm

Workshop Adjourns



**Natural Gas STAR Annual Implementation Workshop
November 16-18, 2015
Sheraton Station Square, Pittsburgh, Pennsylvania**

Speaker Package

Enclosures

Confirmation Letter

Action Items and Deadline List

Speaker Registration Form and Release Waiver

Logistical Fact Sheet



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

OFFICE OF
AIR AND RADIATION

October 14, 2015

Mr. James Horton
Global Industrial Partners
jehorton@globalindustrialpartners.com

Dear Jamie:

The Natural Gas STAR Program is very pleased that you are able to join us as a speaker at our **Natural Gas STAR Annual Implementation Workshop**, November 16-18, 2015, in Pittsburgh, PA. This email confirms your participation as a speaker, reviews your responsibilities, and provides you with logistical information. Please note that we can provide a hard copy of this letter and packet if needed, upon request.

You are scheduled to present during the **4:00 PM** panel on **Monday, November 16**.

You have been allotted approximately 20 minutes for your presentation, with 2-3 minutes for questions after your presentation. The agenda is full, so we really appreciate your help in keeping your talk within your allotted speaking time. To access the current draft agenda, please visit the workshop website at <http://www.epa.gov/gasstar/workshops/annualimplementation/2015.html>.

Please be sure to register online as an attendee in addition to completing the enclosed registration form and return it to Eastern Research Group, Inc. (ERG).

Please send a preliminary copy of your presentation to ERG no later than Monday, October 26, 2015. (You may send an updated version to ERG by November 12, 2015.) The attachment provides more detailed information on the materials needed and the upcoming deadlines for Gas STAR speakers.

On behalf of the Gas STAR Team, I sincerely thank you for your participation in the upcoming Annual Natural Gas STAR Workshop. We anticipate an enjoyable and productive workshop.

If you have any questions or changes to the details for your presentation, do not hesitate to contact ERG Conference Services at 781-674-7272 (E-mail: meetings@erg.com) or me directly at 202-343-9630 (Email: blackman.jerome@epa.gov).

Sincerely,

A handwritten signature in cursive script that reads "Jerome Blackman".

Jerome Blackman
Program Manager
U.S. EPA Natural Gas STAR Program

ACTION ITEMS & DEADLINES FOR GAS STAR SPEAKERS

Please send all materials to meetings@erg.com or fax to (781) 674-2906.

- | | |
|-----------------------|---|
| October 15 | Deadline for <u>Hotel Reservations</u> at the Sheraton Pittsburgh at Station Square at the group rate. |
| October 23 | Speaker Registration Form with signed waiver and short biography due to ERG |
| October 26 | Draft Presentation due to ERG for review by EPA. |
| November 12 | Final electronic presentation due to ERG for uploading onto the conference laptop and testing |
| November 16-18 | Workshop in Pittsburgh, PA |

GUIDELINES FOR SPEAKER BIOGRAPHY

The session moderator who will introduce you using your one-paragraph biography, which should be approximately 150 words. Please include the following information in your biography:

- Name
- Degrees
- Work experience
- Current related work
- Committees, papers, etc.

HINTS FOR PREPARING POWERPOINT SLIDES

To ensure an effective presentation, please keep the following guidelines in mind when preparing and presenting your PowerPoint visuals.

- **Presentations should not be marketing pieces.** You will be asked to revise any presentation that appears to be oriented toward marketing.
- Limit each visual to 15 to 20 words or elements, with a maximum of four bullets of information.
- Use several simple visuals rather than one complicated visual, especially if you are discussing a subject at length. A visual aid should not be shown for more than 1 or 2 minutes. For a 20-30 minute presentation, please plan on using no more than 20 slides.
- Convert data into a visual format for a clear and more interesting presentation. Use pie graphs, bar graphs, and other illustrative graphics to convey ideas and data.
- Avoid descriptive paragraphs that duplicate your oral presentation content.
- Use type that is at least 30 points in letter size.
- Lines, letters, and symbols should contrast sharply with the background. Tones must be distinct, and colors should be strong and attractive. A dark blue background with yellow and/or white letters is recommended. Avoid pastels, greens, pinks, and aquas as the colors bleed on screen and are unreadable at a distance.
- Letters and symbols should be bold and simple, with no small openings that will appear filled in when projected.

Natural Gas STAR Annual Implementation Workshop Speaker Registration and Permission Form

Please send the completed form to ERG **no later than Friday, October 23, 2015.**

Email: meetings@erg.com

Fax: 781-674-2906

Name: _____

Organization: _____

Address: _____

Phone: _____

E-mail Address: _____

Title of Presentation: _____

Please fill out the Audiovisual Equipment Requirements below:

I plan to use the following for my presentation:

☐ No audiovisual equipment **or** Dataview projector (LCD) will be provided – I will be using:
PowerPoint version ☐ 2007 ☐ 2010 ☐ 2013
☐ My presentation was created on a Mac Computer
☐ Sound/Audio Clips
☐ High Speed Internet connection
☐ Video Clips - If so, ☐ .wav ☐ .avi ☐ other _____

Please contact us if you require equipment or programs other than those listed here (such as special software, DVD player, multiple microphones (panel), etc.).

Permission to Post Presentation*

☐ I grant permission to the EPA to post an electronic file of my presentation on the EPA website. I warrant that the presentation is not a violation of any existing copyright, moral right, database right, or of any right of privacy, publicity or other intellectual property, personal, proprietary or statutory right and that I have purchased any required licenses and/or have been granted permission to use any third party copyrighted material that appears in my presentation. I also warrant that I have the required rights to display this presentation publicly and to allow others to post it on the Internet.

☐ I do NOT grant permission to EPA to post an electronic file of my presentation on the EPA website.

☐ I will submit a revised version of my presentation to post to the EPA website that is in compliance with the above statement regarding permission to post.

Signature

Date

***Presentation will be converted by ERG to a 508-compliant PDF and posted to EPA's website.**

Please send the completed form to ERG **by October 23, 2015.**

Email: meetings@erg.com Fax: 781-674-2906



2015 Natural Gas STAR Implementation Workshop

Sheraton Pittsburgh Hotel at Station Square
Pittsburgh, PA USA
November 16-18, 2015

Logistical Fact Sheet

Logistical Information:

Eastern Research Group, Inc.
110 Hartwell Avenue
Lexington, MA 02421

781-~~6~~4-7374
meetings@erq.com

Event/Hotel Location:

Sheraton Pittsburgh Hotel at Station Square
300 W Station Square Drive
Pittsburgh, PA 15219 USA

412-261-2000

The workshop will be held at the **Sheraton Pittsburgh Hotel at Station Square**. Overnight accommodations are available for the nights of November 15-18. To make reservations, call the Sheraton at **1-800-325-3535** and reference the Natural Gas STAR Implementation Workshop to receive the special conference rate of \$130 single/double plus 14% state and local tax. ***Our group rate will only be available until October 15, 2015.*** After this date, all reservations will be on a space- and rate-available basis. You can also reserve your hotel room online.

Onsite Check-in:

Workshop check-in will take place outside the Grand Station Ballroom. Please stop by to pick up your name tag and other handouts. Specific checkin times to be announced soon.

Airport Information:

The Sheraton Station Square is approximately 13 miles from Pittsburgh International Airport (PIT).

Ground Transportation:

Taxi: A cab ride costs approximately \$40.00 from the airport to the hotel. Pick-up is outside the baggage claim area.

Shuttle: Shuttle transportation to and from Pittsburgh International Airport (13 miles) is provided by SuperShuttle. Cost is \$24 one way in a shared van. For additional information or reservations, please visit www.supershuttle.com or call (800) BlueVan.

Train/Bus: Union Station is approximately 1 mile from the hotel. Taxi from Union Station to the hotel will cost approximately \$15.00.

Parking:

Self-Parking facility is available for \$23.00 per day.

Driving Directions:

From Pittsburgh International Airport

- Take 376 East to Exit 69C
- Turn right and continue for approximately one mile
- Turn right and follow sign for Route 51 North – McKees Rocks/West End
- Be in the right lane at the light
- At next T-intersection, turn right toward Carson Street
- The hotel is approximately 1.5 miles on the left

From East

- Take Interstate 376 West to the Grant Street Exit (71A).
- Turn left at the first light onto Fort Pitt Boulevard.
- Stay in the left lane and travel one block to Smithfield Street.
- Turn left at the light onto the Smithfield Street Bridge.
- Continue to the Station Square entrance located at the end of the bridge.

From South

- Take Interstate 79 north to 376 East (Pittsburgh)
- Take 376 East to Exit 69C
- Turn right and continue for approximately one mile
- Turn right and follow sign for Route 51 North – McKees Rocks/West End
- Be in the right lane at the light
- At the next T-intersection, turn right toward Carson Street
- The hotel is approximately 1.5 miles on the left

From North

- Take Interstate 79 South to I-279 South to Fort Pitt Bridge.
- Stay in the far right lane and exit 69C (just before the tunnel). This will put you on Carson Street. (Route 837).
- Turn right at the first light and follow the access road to the hotel.

To: Philip.Swanson.Affiliate@unep.org[Philip.Swanson.Affiliate@unep.org]
Cc: Blackman, Jerome[Blackman.Jerome@epa.gov]
From: Bartos, Scott
Sent: Mon 9/28/2015 9:03:59 PM
Subject: FW: AIW Preliminary Agenda
CLEAN AIW Agenda final 9 25 15cb_jb.docx

Hi Phil,

I hope you are still interested and available to speak at the upcoming Gas STAR Annual Implementation Workshop (AIW) this November 17. Please see the current draft agenda attached here and let me know if you have any questions.

Thank you and see you soon in Paris!

Scott

Scott C. Bartos

U.S. Environmental Protection Agency

Climate Change Division

Visitors and Private Mail Carrier Address (FedEx/UPS/DHL)

1201 Constitution Ave NW, Office 4353 PP

Washington, DC 20004

USA

Postal Address:

1200 Pennsylvania Ave., NW (6207M)
Washington DC 20460
USA

Tel. +1 202 343 9167

Cell +1 202 412 3222

www.globalmethane.org

www.epa.gov/climatechange



From: Blackman, Jerome
Sent: Monday, September 28, 2015 4:54 PM
To: Bartos, Scott
Subject: AIW Preliminary Agenda

Here's the draft agenda, Scott.

We have a slot for a potential CCAC presentation and another international presentation on Tuesday (Nov. 17).

4:30 pm – 5:30 pm ***International Cooperation/Activities***

☐☐☐☐ Climate and Clean Air Coalition (CCAC) - Overview

☐☐☐☐ Global Methane Initiative (GMI) Update and Case Studies

Let me know your thoughts.

Thanks,

Jerome

Jerome Blackman

U.S. EPA - Natural Gas STAR Program

Phone: 202-343-9630

Blackman.jerome@epa.gov

Private Mail Carrier Address (FedEx/UPS/DHL)

1201 Constitution Ave NW, Room Number 4353SS

Washington, DC 20004

Postal Address:

1200 Pennsylvania Ave., NW (6207A)

Washington DC 20460

Natural Gas STAR Annual Implementation Workshop

November 16-18, 2015
Sheraton Pittsburgh at Station Square
Pittsburgh, PA



Preliminary Workshop Agenda (9/25/15)



9/21/15

Monday, November 16, 2015

10:00 am – 3:00 pm

Site Tour – Waynesburg Compressor Station
Columbia Pipeline Group

Tuesday, November 17, 2015

8:00 am – 8:30 am

Continental Breakfast

8:30 am – 8:45 am

Welcome and Introduction

8:45am – 9:45 am

Keynote Address

- U.S. Methane Strategy Overview and Role of the Oil and Gas Sector
Teresa Marks, Principal Advisor to the Administrator/U.S. EPA

9:45 am – 10:30 am

Natural Gas STAR Methane Challenge Program

- *Program Overview and Update*

10:30 am – 11:00 am

Networking and Refreshment Break

11:00 am – 11:30 am

Local Activities in the Marcellus Shale Basin

- *Summary of Site Tour - Columbia Gas*

11:30 am – 12:30 pm

Gas STAR Partner Case Studies

- Blowdown Recovery Systems/Methods to Reduce Pressure before Blowdowns – *Dominion Transmission*
- Eliminating Vent Gas Emissions with a New Rod Sealing Solution for Reciprocating Compressors – *DTE Gas Company*

12:30 pm – 1:30 pm

Lunch

1:30 pm – 2:30 pm

Lost and Unaccounted For Gas/Fuel Panel

- Overview

Panel discussion by various LDCs

2:30 pm – 4:00 pm

New, Innovative Methane Control/Use Technologies – Part I

Production/Upstream

- New Compressor Technologies for Emissions Reduction in Shale Gas Applications
- Best Practices for Vapor Recovery Systems to Reduce Venting and Flaring with Economic Benefit
- Improving Utilization of Associated Gas in U.S. Tight Oil Fields

4:00 pm – 4:30 pm

Networking and Refreshment Break

4:30 pm – 5:30 pm

International Cooperation/Activities

Preliminary Workshop Agenda



ED_000761_0000049

9/21/15

- Climate and Clean Air Coalition (CCAC) - Overview
- Global Methane Initiative (GMI) Update and Case Studies

5:30 pm – 6:30 pm

Networking Reception

Wednesday, November 18, 2015

8:00 am – 8:30 am

Continental Breakfast

8:30 am – 8:45 am

Recap from Day 1 and Opening Remarks

8:45 am – 9:15 am

U.S. GHG Inventory Update

- Natural Gas Emissions

Melissa Weitz, U.S. EPA/ Climate Change Division

9:15 am – 9:45 am

Networking and Refreshment Break

9:45 am – 11:00 am

New, Innovative Methane Control/Use

Technologies – Part II

Transmission & Distribution

- Improving Access to Electricity at Compression Stations to Eliminate Gas Pneumatics
- Reducing Methane Emissions from Wet Seal Equipped Centrifugal Compressors- Evaluating the Economic, Energy and Carbon Footprint Impact of the Sealing Solution Options
- Stop Venting Your Profits Away: Eliminate Methane Emissions with Electric Actuation

11:00 am – 12:30 pm

Lunch

12:30 pm – 2:00 pm

Regulatory Update Panel: New and Existing Sources

- Greenhouse Gas Reporting Program: 2014 Oil and Gas Data
Alexis McKittrick, U.S. EPA/Climate Change Division
- Proposed Updates to New Source Performance Standards (NSPS) and Draft Control Techniques Guideline.
Bruce Moore U.S. EPA/OAQPS (Invited)

2:00 pm – 2:30 pm

Networking and Refreshment Break



9/21/15

2:30 pm – 4:30 pm

Advances in Leak Detection and Measurement

All/Upstream and Downstream

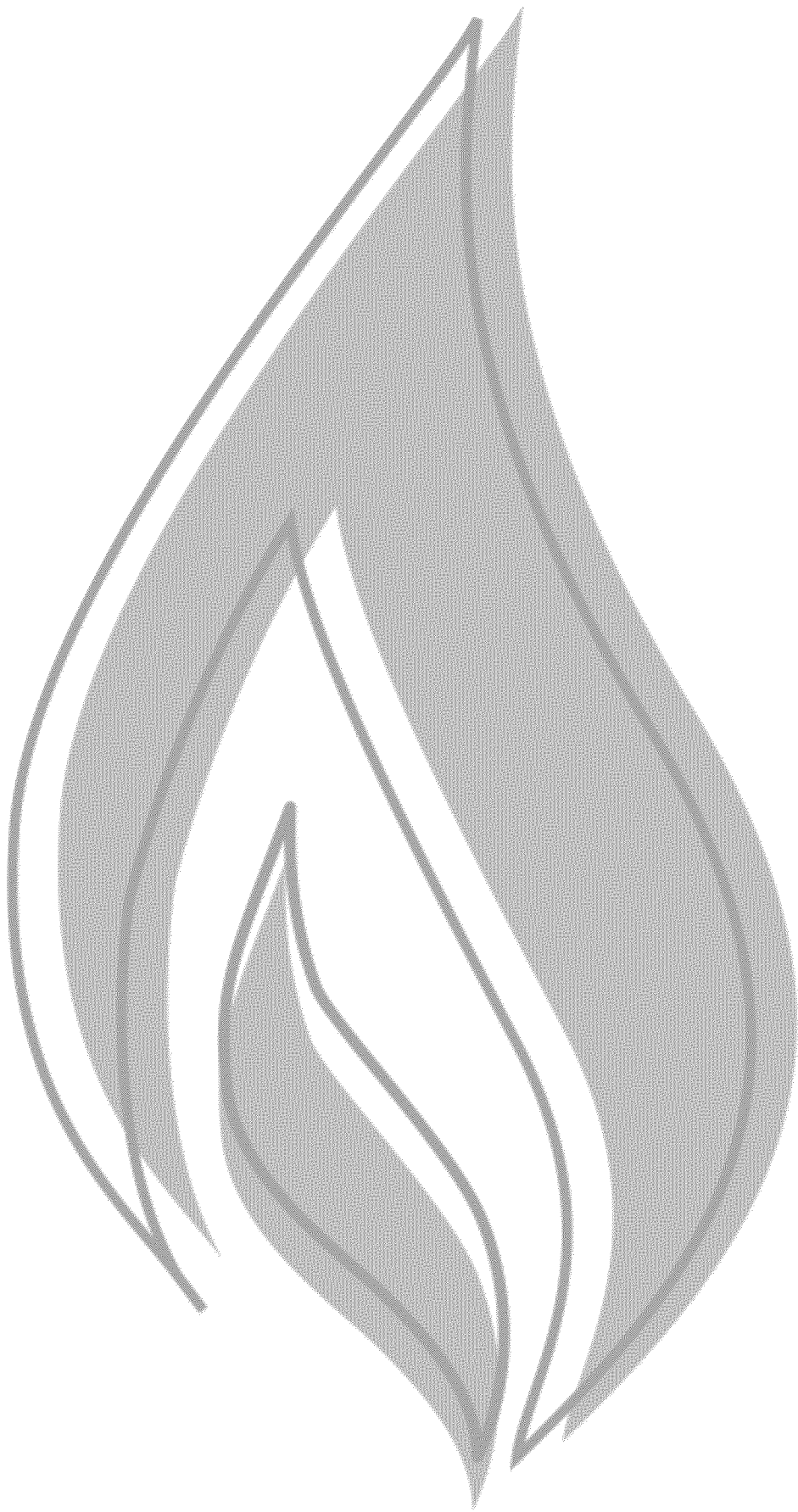
- Direct Inspection and Maintenance for Compressor Station Methane Reductions
- LDAR Case Study Comparison of Conventional Method 21 vs Alternative Work Practice
- Direct Measurement Findings of Pneumatics and Compressor Seal Vents in Western Canada
- APRA-E MONITOR Program

Dr. Bryan Wilson, Department of Energy/APRA-E

4:30 pm

Workshop Adjourns





To: Lia Parisien[lparisien@ecos.org]
From: Lia Parisien
Sent: Mon 8/3/2015 2:37:56 PM
Subject: Fwd: SGC Webinar Rescheduled from Aug. 3 to Aug. 12
August 12, 2015 Webinar Agenda.doc

Please find attached a new agenda with updated times!

----- Forwarded message -----

From: Lia Parisien <lparisien@ecos.org>
Date: Fri, Jul 31, 2015 at 4:05 PM
Subject: SGC Webinar Rescheduled from Aug. 3 to Aug. 12
To: Lia Parisien <lparisien@ecos.org>

Members of the ECOS Shale Gas Caucus (SGC) and Overseeing Waste Committee:
Our apologies, but due to a scheduling conflict that has arisen on Monday, the next SGC webinar originally planned for Monday, August 3 at noon - 1 p.m. Eastern has been rescheduled for **Wednesday, August 12 at 3 - 4 p.m. Eastern.**

The webinar will feature the launch of the SGC's ECOS Methane and Air Toxics Reduction Information Exchange (e-MATRIX) best practices database, which you can now preview from the e-MATRIX link at http://ecos.org/section/shale_gas_caucus/.

The webinar also will include discussion of U.S. EPA's draft hydraulic fracturing drinking water assessment and the agency's newly proposed voluntary Natural Gas Star Methane Challenge Program.

Please register for the webinar at least 15 minutes prior
at: <https://attendee.gotowebinar.com/register/3085129939806290178>

Those who already registered for the Aug. 3 webinar need not register again and should have already received an automatic email.

If you have any questions, feel free to contact me. Enjoy your weekend!

Regards,

--

Lia Parisien
Executive Project Manager
Environmental Council of the States (ECOS)
(202) 266-4931
www.ecos.org

Mark your calendar for the Aug. 31-Sept. 2 ECOS Fall Meeting in Newport, RI!

To: Lia Parisien[lparisien@ecos.org]
From: Lia Parisien
Sent: Fri 7/31/2015 8:05:38 PM
Subject: SGC Webinar Rescheduled from Aug. 3 to Aug. 12
August 12, 2015 Webinar Agenda.doc

Members of the ECOS Shale Gas Caucus (SGC) and Overseeing Waste Committee:
Our apologies, but due to a scheduling conflict that has arisen on Monday, the next SGC webinar originally planned for Monday, August 3 at noon - 1 p.m. Eastern has been rescheduled for **Wednesday, August 12 at 3 - 4 p.m. Eastern**.

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at: <https://attendee.gotowebinar.com/register/3085129939806290178>

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If you have any questions, feel free to contact me. Enjoy your weekend!

Regards,

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Lia Parisien
Executive Project Manager
Environmental Council of the States (ECOS)
(202) 266-4931
www.ecos.org

Mark your calendar for the Aug. 31-Sept. 2 ECOS Fall Meeting in Newport, RI!



ECOS Shale Gas Caucus

WEBINAR AGENDA

Launch of ECOS Methane and Air Toxics Reduction Information Exchange (e-MATRIX) and Roundup of Recent U.S. EPA Initiatives

Wednesday, August 12, 2015

3:00 – 4:00 p.m. Eastern

Webinar Registration Link (**please register at least 15 minutes ahead):

<https://attendee.gotowebinar.com/register/3085129939806290178>

12:00 – 12:05 p.m. – Welcome, Lia Parisien, Executive Project Manager, Environmental Council of the States, and Staffer, Shale Gas Caucus

12:05 – 12:10 p.m. – Introduction and Overview of the ECOS Methane and Air Toxics Reduction Information Exchange (e-MATRIX) developed by the Shale Gas Caucus, Dave Glatt, Chief, North Dakota Department of Health Environmental Health Section, Co-Chair, Shale Gas Caucus

12:10– 12:30 p.m. – Unveiling and Walkthrough of e-MATRIX, Adam Langmaid, Web Applications Manager, Eastern Research Group, followed by Q&A

12:30 – 12:45 p.m. – Discussion of U.S. EPA's Draft Hydraulic Fracturing Drinking Water Assessment, Dr. Jeff Frithsen, Senior Scientist and Special Projects Coordinator, U.S. EPA Office of Research and Development, followed by Q&A

12:45 – 1:00 p.m. – Overview of U.S. EPA's newly proposed voluntary Natural Gas Star Methane Challenge Program, Carey Bylin, International Programs Leader, Oil and Gas, U.S. EPA Natural Gas STAR Program, Global Methane Initiative, followed by Q&A

To: Lia Parisien[lparisien@ecos.org]
From: Lia Parisien
Sent: Tue 7/28/2015 11:33:50 PM
Subject: Fwd: DATE CORRECTION: Agenda for Aug. 3 SGC Webinar and e-MATRIX Launch
August 3, 2015 Webinar Agenda.doc

Please use the following URL to register for the webinar, as the one provided in the previous email contained a hyperlink glitch:

<https://attendee.gotowebinar.com/register/3085129939806290178>

Also, if you encounter problems with the link from a mobile device, simply register from a desk computer.

Thanks!

----- Forwarded message -----

From: Lia Parisien <lparisien@ecos.org>
Date: Tue, Jul 28, 2015 at 5:24 PM
Subject: DATE CORRECTION: Agenda for Aug. 3 SGC Webinar and e-MATRIX Launch
To: Lia Parisien <lparisien@ecos.org>

Members of the ECOS Shale Gas Caucus (SGC) and Overseeing Waste Committee:

Please find attached an agenda for the next SGC webinar on **Monday, August 3 at noon - 1 p.m. Eastern.**

We are delighted to announce that the webinar will feature the launch of the SGC's ECOS Methane and Air Toxics Reduction Information Exchange (e-MATRIX) best practices database, which you can now preview from the e-MATRIX link at http://ecos.org/section/shale_gas_caucus/.

The webinar also will include discussion of U.S. EPA's draft hydraulic fracturing drinking water assessment and the agency's newly proposed voluntary Natural Gas Star Methane Challenge Program.

Please register for the webinar at least 15 minutes advance
at: <https://attendee.gotowebinar.com/register/3085129939806290178>

If you have any questions, feel free to contact me.

Regards,

my sig

Lia Parisien
Executive Project Manager
Environmental Council of the States (ECOS)
(202) 266-4931
www.ecos.org

Mark your calendar for the Aug. 31-Sept. 2 ECOS Fall Meeting in Newport, RI!

--

Lia Parisien
Executive Project Manager
Environmental Council of the States (ECOS)

(202) 266-4931

www.ecos.org

Mark your calendar for the Aug. 31-Sept. 2 ECOS Fall Meeting in Newport, RI!

To: Lia Parisien[lparisien@ecos.org]
From: Lia Parisien
Sent: Tue 7/28/2015 9:24:22 PM
Subject: DATE CORRECTION: Agenda for Aug. 3 SGC Webinar and e-MATRIX Launch
August 3, 2015 Webinar Agenda.doc

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Please register for the webinar at least 15 minutes advance at:
<https://attendee.gotowebinar.com/register/3085129939806290178>

If you have any questions, feel free to contact me.

Regards,

--

Lia Parisien
Executive Project Manager
Environmental Council of the States (ECOS)
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www.ecos.org

Mark your calendar for the Aug. 31-Sept. 2 ECOS Fall Meeting in Newport, RI!

To: Lia Parisien[lparisien@ecos.org]
From: Lia Parisien
Sent: Tue 7/28/2015 9:19:08 PM
Subject: Agenda for Aug. 31 SGC Webinar and e-MATRIX Launch
August 3, 2015 Webinar Agenda.doc

Members of the ECOS Shale Gas Caucus (SGC) and Overseeing Waste Committee:

Please find attached the agenda for the next SGC webinar on **Monday, August 31 at noon - 1 p.m. Eastern.**

We are delighted to announce that the webinar will feature the launch of the SGC's ECOS Methane and Air Toxics Reduction Information Exchange (e-MATRIX) best practices database, which you can now preview from the e-MATRIX link at http://ecos.org/section/shale_gas_caucus/.

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<https://attendee.gotowebinar.com/register/3085129939806290178>

If you have any questions, feel free to contact me.

Regards,

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Environmental Council of the States (ECOS)
(202) 266-4931
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Mark your calendar for the Aug. 31-Sept. 2 ECOS Fall Meeting in Newport, RI!